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Portland Study Element I - Short Test Correlation Study

Hamilton Test Systems, Inc, Phoenix, AZ

Prepared for

Environmental Protection Agency, Ann Arbor, MI Emission Control Technology Div

Mar 79

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Agency

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2565 Plymouth Rd.
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16. ABSTRACT

An exhaust emissions test program was conducted in Portland, Oregon on a sample of privately-owned 1975-77 model year passenger cars. The objective of the program was to collect data on the correlation between short inspection tests and the 1975 Federal Test Procedure (FTP).

Fifty-nine different groups of cars were tested, in numbers ranging from 32 to 45 cars per group, for a total of 2207 cars. In its as-received condition, each car was subjected to the inspection employed by the Oregon Department of Environmental Quality (DEQ), which includes an idle-mode exhaust concentration measurement, at a DEQ inspection station.

Another idle-mode test, the FTP, the Federal Short Cycle (FSC) and the Federal Three-Mode (F3M) tests were then run on each car at an emissions test laboratory. About half of the cars were also subjected to the FSC and F3M tests conducted by DEQ personnel at a DEQ inspection station. Emissions and fuel economy data are presented for each vehicle group and for model year and DEQ pass-fail status within each group. Correlation coefficients have not been calculated.

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PORTLAND STUDY ELEMENT I SHORT TEST CORRELATION STUDY

by

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Contract No. 68-03-2513

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Prepared for

U. S. ENVIRONMENTAL PROTECTION AGENCY
Office of Mobile Source Air Pollution Control
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Publication No. EPA-460/3-79-001

ABSTRACT

An exhaust emissions study was conducted on a sample of 1975-77 model-year vehicles recruited from the Portland, Oregon metropolitan area. Fifty-nine different groups of vehicles were tested, in numbers ranging from 32 to 45 vehicles per group, for a total of 2207 tests.

The purpose of the study was to collect data that could be used to determine the correlation between the 1975 Federal Test Procedure and various short inspection tests.

Exhaust emissions tests were performed on each vehicle in its as-received condition using the 1975 FTP, the Federal Three-Mode test, the Federal Short Cycle test, and an idle-mode test. All these tests were conducted in a vehicle emissions test laboratory established by Hamilton Test Systems for this program. All vehicles in the program were subjected to the vehicle inspection conducted by the State of Oregon Department of Environmental Quality (DEQ), prior to the test sequence conducted at the emissions test laboratory. About 1160 of the vehicles were also tested according to the Federal Three-Mode and Federal Short Cycle procedures, conducted by DEQ personnel at a DEQ station, using test equipment furnished by Hamilton.

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1.0 INTRODUCTION

The U. S. Environmental Protection Agency (EPA), by authority provided by the Clean Air Act, is responsible for the control and prevention of air pollution. One of the major sources of air pollution is the motor vehicle, and EPA has developed vehicle emission standards and is developing other strategies for reducing the amount of pollution from this source.

One method of reducing air pollution is to adopt at the state level inspection and maintenance programs for in-use vehicles. Inspection/Maintenance (I/M) may be defined as a strategy to 1) identify in-use motor vehicles which are gross polluters, that is, which emit pollutants at rates several times the applicable Federal standards; and 2) cause them to be adjusted or repaired so that pollutant emission rates are reduced to levels that approach the standards. The technique requires periodic inspection of most or all vehicles in an area. Only those which fail the inspection must be repaired.

The concept of Inspection/Maintenance is based on the fact that properly equipped (emissions controls) and properly tuned motor vehicles emit less pollutants than improperly tuned vehicles and/or those with defective or missing emission control equipment. The challenge is to identify the latter and cause them to be repaired.

To date, all states with active I/M programs use (pass/fail) standards which are set to be no more stringent than the emissions levels that would exist if a vehicle were tuned to manufacturer's specifications. Typically, there are families of standards which are sensitive to vehicle make, model, engine size and age. For example, older pre-emission control vehicles do not have to meet the same standards as newer vehicles. Standards are established for emissions of carbon monoxide and hydrocarbons, and in some areas, for oxides of nitrogen (NO_x).

Typically, state I/M programs consist of short inspection tests which rapidly and economically test a vehicle and provide reasonably accurate emission results. The EPA has the further responsibility of determining whether and to what extent those short inspection tests correlate with the Federal Test Procedure (FTP). This responsibility arises in connection with the Section 207 (b) warranty provisions of the Clean Air Act.

As part of the effort to determine how well short inspection tests correlate with the FTP, Contract No. 68-03-2513 (Element I) was awarded Hamilton Test Systems, Incorporated (HTS) to perform a controlled series of emission tests including a number of short tests and the Federal Test Procedure. The EPA prescribed in detail the kinds of vehicles to be tested, the test procedures, and the methods of processing the data. No indepth analysis or interpretation of test results was included in the Contract. This report describes the tests conducted and presents the data obtained under Contract No. 68-03-2513 (Element I).

2.0 SUMMARY

To satisfy the requirements of Contract No. 68-03-2513, Hamilton Test Systems, Incorporated, established a complete emissions test laboratory within three miles of the State of Oregon Department of Environmental Quality (DEQ) Vehicle Inspection Station on St. Helens Road in Portland, Oregon. The Laboratory consisted of two Constant Volume Sampler (CVS) test cells adjacent to a controlled temperature (soak) area with a capacity for up to 24 vehicles. Fuel tanks (including a 10,000 gallon Indolene underground tank), computers, office facilities, gas-bottle facilities, meteorology equipment and automotive diagnostic equipment were also included as part of the Laboratory. The Laboratory was normally operated on a two-cell, three shift basis for the duration of the Element I testing which spanned the period from October, 1977 through mid-January, 1979.

HTS equipped the DEQ St. Helens Road station with a CVS test cell identical to the Laboratory cells. State inspectors were trained to perform the Federal Three-Mode test and the Federal Short Cycle test (which employs a CVS) using the HTS-furnished equipment. These tests were conducted on the cars involved in the test program after they had gone through the normal DEQ inspection. A total of 2207 vehicles were recruited from the Portland area according to groups or "Cells" of vehicles as specified by the EPA to include similar engines, vehicle weights, and other characteristics. These in-use vehicles were obtained by contacting their owners by mail and by telephone to arrange a loan of the vehicles for a specified time period (two to three days). In return the vehicle owners were given incentives (a new-model loan car, savings bonds, and full tank of gas). The vehicles were tested by DEQ inspectors at the DEQ St. Helens Road station and were then driven to the Laboratory where the State idle test was repeated. The vehicle was then preconditioned and tested according to the 1975 Federal Test Procedure. The Federal Three-Mode and Short Cycle tests were then performed at the Laboratory, selected engine parameters were measured in the Diagnostic Center established as part of the Laboratory, data obtained were inspected for reasonableness, and the vehicles were returned to their owners.

All raw data were collected in Vehicle Test Packets and submitted to the EPA Project Officer stationed in Portland, after a rigorous quality check which was conducted to correct any detectable errors in transcription. The raw data were also transcribed onto flexible discs which were then used to transmit the data by telephone (MODEM) to the Michigan Terminal System (MTS), a timeshare computer system in Ann Arbor. There the data were formatted according to the instructions of the EPA and then copied onto a file accessible to EPA for editting and later analysis.

This report contains the results for each specific test of each vehicle and summary statistics for each site (DEQ and HTS) including the mean and standard deviations of the emissions measurements. No conclusions from or interpretations of the data are reported as none were called for in the Contract.

3.0 PROGRAM OBJECTIVE

The objective of the Element I program was to gather vehicle emission test data for the determination of correlation between short inspection tests and the Federal Test Procedure (FTP). The FTP is used by EPA in the process of certifying that new vehicles meet Federal exhaust emission standards. A specific objective was to determine the effects of "real world constraints," such as weather and queuing time, on correlation by comparing laboratory results with results obtained at an existing State inspection station. To this end, 2207 vehicles from the Portland, Oregon metropolitan area were tested. The short tests conducted included the Idle Test (including a high rpm test), the Federal Three-Mode Test, and the Federal Short Cycle Test. Each vehicle was also tested according to the Federal Test Procedure, and selected engine diagnostic parameters were measured.

4.0 PROGRAM DESIGN

The Element I program was designed to conduct emission tests on in-use passenger cars of 1975-77 model years. The cars were registered within the Portland Metropolitan Service District and were therefore subject to the DEQ vehicle inspection program.

EPA budget constraints limited the program to 2400 tests. Statistical considerations for determining correlation between the FTP and short inspection tests dictated a minimum sample size of 40 cars of a single type. Thus 60 vehicle groups were defined by EPA to represent the bulk of 1975 through 1977 model year sales in the Federal (49-state) market. The criteria by which the 60 groups were defined included:

- .wide coverage of vehicles/engines
- .quantities produced
- .likelihood of future production
- .availability/recruitability in the Portland area

The program was performed concurrently with Portland Study Element II, a study of the effectiveness of the DEQ inspection which included emissions tests at regular intervals over a one-year period. Because EPA ordered a halt to Element I testing before its planned completion, only 2207 tests were conducted. Of these, 257 of the vehicles were used in both Element I and Element II, with 1950 recruited exclusively for the Element I correlation study.

Each vehicle recruited was first subjected to the DEQ inspection at the St. Helens Road station. This inspection included measurement of HC, CO, and engine curb idle speed, and visual checks for exhaust smoke and disconnected emission control equipment. Upon completion of this inspection the vehicle was driven to another area within the station where the Federal Short Cycle and the Federal Three-Mode tests were performed by DEQ inspectors trained by HTS.

Upon completion of the testing at the DEQ station, the vehicle was driven to the HTS facility where a repeat of the Idle Test was performed. In addition to HC and CO, NO_x was also measured during the test. The vehicle was then preconditioned for the Federal Test Procedure (FTP), and after the required soak period, the FTP, the Federal Short Cycle, and the Federal Three-Mode tests were performed.

Prior to returning each vehicle to the owner, the timing, dwell and idle speed were measured and recorded and one spark plug was removed and checked for rust colored deposits caused by the antiknock fuel additive Methylcyclopentadienyl Manganese Tricarbonyl (MMT).

4.1 VEHICLE SELECTION

The selection of the required vehicles was made utilizing the Oregon Motor Vehicles Division (MVD) registration information. A computer tape of all 1975 through 1977 passenger vehicles registered in the counties of Washington, Multnomah and Clackamas was purchased from the Oregon MVD. From this tape a listing of the quantities of each vehicle group (Cell) defined by EPA was generated by using the Make and Vehicle Identification Number (VIN) information recorded on the MVD tape.

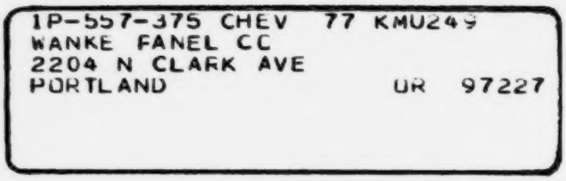
EPA then selected from the listing 55 Cells to be tested. Basically, the selection was made according to population in order to assure that enough vehicles were available within the Portland area to achieve the desired sample size for each of the Cells. In five of the 60 Cells originally defined by EPA it appeared that there was an insufficient population to successfully recruit 40 cars for testing.

With the Cells thus defined, a mailing list was then generated which provided approximately 400 names of owners for each Cell. Prior to generating this list a further refinement of the selection was necessary. Certain areas of the three counties were outside the Portland MSD, and since vehicles located in these areas were not subject to the Oregon inspection program, they were not desired for the test program. They were deleted from the list according to ZIP codes.

In addition to the mailing list, mailing labels and vehicle identification labels (see figure 4.1-1) were generated to assist in the recruitment process. Unfortunately, the MVD listing was headed by "vanity" plates followed by the license plates in alphabetical order; therefore, the mailing list originally generated contained mainly "vanity" plates and vehicles registered with the first letters of the alphabet. Inasmuch as this method of selection might have caused a bias in the results (vehicles with an "A-----" license are registered in January, etc.), EPA modified the contract after approximately 400 Element I vehicles had been tested, to require a uniform recruitment of vehicles with license plates beginning with the letters A through M (excluding I). This would then provide for a uniform sample of vehicles registered in the months of January through December.

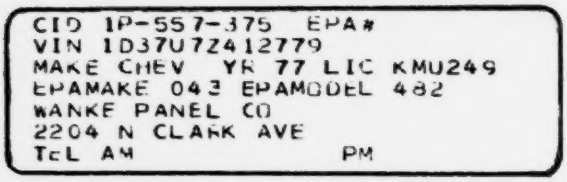
The above modification also required the purchase of the latest registration tape from MVD and a new count of all 1977 vehicles. This resulted in the addition of four 1977 Cells that had earlier been deleted because of insufficient population. The total number of Cells increased to 59 and the final configuration of these Cells is shown on Table 4.1-1 "Cell Identification." It should be noted that due to omission of some Cell numbers, Table 4.1-1 contains Cells numbered 60 through 63.

A new mailing list was then generated which provided up to fifty (50), if available, names for each Cell/license number combination.



```
1P-557-375 CHEV  77 KMU249
WANKE FANEL CC
2204 N CLARK AVE
PORTLAND                   UR  97227
```

Mailing Label



```
CID 1P-557-375  EPA#
VIN 1D37U7Z412779
MAKE CHEV  YR 77 LIC KMU249
EPAMAKE 043 EPAMODEL 482
WANKE PANEL CO
2204 N CLARK AVE
TEL AM               PM
```

Vehicle Identification Label

Figure 4.1-1

Table 4.1-1 (Sheet 1 of 4)

CELL IDENTIFICATION

CELL NO	MODEL YEAR(S)	MAKE / MODEL	ENGINE / CARB	WEIGHT CLASS	TRANS	"ACTUAL HP SETTINGS" FTP 50 MPH	F3M 52 MPH	F3M 25 MPH
01	1975, 1976	AMC/Gremlin, Hornet, Pacer	232, 258 - 1V	3000	A	11.3	14.5	6.5
03	1975	Audi, VW/Fox, Dasher	97 - FI	2500	M	11.3	14.5	6.5
03	1976 - 1977	Audi, VW/Fox, Dasher	97 - FI	2500	M	8.0	11.0	5.5
04	1975 - 1977	Honda/Civic	76 - 2V	2000	M	8.3	10.5	4.5
05	1975 - 1977	Honda/Civic, CVCC	91 - 3V	2000	M	8.3	10.5	4.5
06	1976, 1977	Dodge, Plymouth/Colt, Arrow	98 - 2V	2500	M	9.4	12.0	5.5
07	1975, 1976	Datsun/B210	85 - 2V	2250	M	8.8	12.0	5.0
08	1977	Datsun/B210	85 - 2V	2250	M	8.8	12.0	5.0
09	1975, 1976	Toyota/Corolla	97 - 2V	2500	M	9.4	12.0	5.5
10	1977	Toyota/Celica	133 - 2V	2750	M	7.7	11.5	6.0
11	1975 - 1977	VW/Beetle	97 - FI	2250	M	8.8	12.0	5.0
12	1976, 1977	VW/Rabbit, Scirocco	97 - 1V	2250	M	7.3	10.0	5.0
13	1976, 1977	Volvo/240	130 - FI	3500	M	11.2	15.5	7.5
14	1975	Dodge, Plymouth/Dart, Valiant	225 - 1V	3500	A	12.3	16.0	7.5
15	1976	Dodge, Plymouth/Dart, Valiant, Aspen, Volare	225 - 1V	4000	A	13.2	18.0	8.5
16	1977	Dodge, Plymouth/Aspen, Volare	225 - 2V	4000	A	13.2	18.0	8.5
17	1975	Chrys, Dodge, Ply/Cordoba, Coronet, Charger, Fury	318 - 2V	4500	A	14.0	19.5	9.5
18	1976	Dodge, Ply/Dart, Aspen, Valiant, Volare	318 - 2V	4000	A	13.2	18.0	8.5

ble 4.1-1 (Sheet 2 of 4)

CELL IDENTIFICATION

						"ACTUAL HP SETTINGS"		
CELL NO	MODEL YEAR(S)	MAKE / MODEL	ENGINE / CARB	WEIGHT CLASS	TRANS	FTP 50 MPH	F3M 52 MPH	F3M 25 MPH
19	1977	Chrys, Dodge, Ply/Cordoba, Coronet, Aspen, Volare, Fury	318 - 2V	4000	A	13.2	18.0	8.5
20	1975, 1976	Chrys, Dodge, Ply/Cordoba, Coronet, Fury	360 - 2V	4500	A	14.0	19.5	9.5
22	1975	Ford, Merc/Pinto, Mustang II, Bobcat	140 - 2V	3000	A	10.3	13.5	6.5
23	1975	Ford, Merc/Pinto, Mustang II, Bobcat	140 - 2V	3000	M	10.3	13.5	6.5
24	1976	Ford, Merc/Pinto, Mustang II, Bobcat	140 - 2V	3000	A	10.3	13.5	6.5
25	1976	Ford, Merc/Pinto, Mustang II, Bobcat	140 - 2V	3000	M	10.3	13.5	6.5
26	1977	Ford, Merc/Pinto, Mustang II, Bobcat	140 - 2V	3000	A	10.3	13.5	6.5
27	1977	Ford, Merc/Pinto, Mustang II, Bobcat	140 - 2V	3000	M	10.3	13.5	6.5
28	1975, 1976	Ford/Pinto, Mustang II	171 - 2V	3500	A	11.2	15.5	7.5
29	1975, 1976	Ford, Merc/Maverick, Granada, Comet, Monarch	250 - 1V	4000	A	13.2	18.0	8.5
30	1975, 1976	Ford, Merc/Maverick, Granada, Comet, Monarch	302 - 2V	4000	A	13.2	18.0	8.5
31	1975, 1976	Ford, Merc/Torino, Montego, Cougar	351 - 2V	4500	A	14.0	19.5	9.5
32	1975, 1976	Ford /Ford, Elite, LTD	351 - 2V	5000	A	14.7	21.5	10.5
33	1975, 1976	Ford, Merc/Ford, Elite, Merc , LTD	400 - 2V	5000	A	14.7	21.5	10.5
34	1977	Ford, Merc/Maverick, Granada, Comet, Monarch	250 - 1V	4000	A	13.2	18.0	8.5
35	1977	Ford, Merc/Maverick, Granada, Comet, Monarch	302 - 2V	4000	A	13.2	18.0	8.5

Table 4.1-1 (Sheet 3 of 4)

CELL IDENTIFICATION

CELL NO	MODEL YEAR(S)	MAKE / MODEL	ENGINE / CARB	WEIGHT CLASS	TRANS	"ACTUAL HP SETTINGS" FTP 50 MPH	F3M 52 MPH	F3M 25 MPH
36	1977	Ford, Merc/T-Bird, LTD-II, Cougar	351 - 2V	4500	A	12.0	18.0	9.5
38	1977	Ford, Merc/Ford, T-Bird, LTD-II, Merc, Cougar	400 - 2V	5000	A	14.7	21.5	10.5
39	1975, 1976	Chev/Vega	140 - 2V	3000	A	10.3	13.5	6.5
40	1975, 1976	Chev/Vega, Monza	140 - 2V	3000	M	10.3	13.5	6.5
41	1975, 1976	Chev, Pont, Olds/Nova, Camaro, Ventura, Firebird, Omega, Cutlass	250 - 1V	4000	A	13.2	18.0	8.5
42	1975, 1976	Chev/Malibu, Camaro, Monte Carlo, Laguna	350 - 2V	4500	A	14.0	19.5	9.5
43	1975, 1976	Chev/Belair, Impala, Caprice, Malibu Wagon	350 - 2V	5000	A	14.7	21.5	10.5
44	1976	Chev/Monza, Nova, Camaro LT	305 - 2V	4000	A	13.2	18.0	8.5
45	1976	Chev/Malibu, Malibu Classic, Monte Carlo	305 - 2V	4500	A	14.0	19.5	9.5
46	1976, 1977	Chev/Chevette	85, 98 - 1V	2250	A	8.8	12.0	5.0
47	1976, 1977	Chev/Chevette	85, 98 - 1V	2250	M	8.8	12.0	5.0
48	1975, 1976	Pont/ Grand AM, LeMans, Catalina, Grand Prix, Bonneville	400 - 2V	4500	A	14.0	19.5	9.5
49	1975, 1976	Buick, Olds/Cutlass Wagon, LeSabre, Olds 88, Century Wagon, Regal	350 - 4V	5000	A	14.7	21.5	10.5
50	1975, 1976	Pont, Olds, Buick/LeSabre, Electra, Riviera, Custom Cruiser, Estate Wagon, Bonneville, Grand Prix, Olds 98	455 - 4V	5500	A	15.3	22.5	11.5
51	1975, 1976	Buick/Century, Skylark, Apollo, Regal	231 - 2V	4000	A	13.2	18.0	8.5

Table 4.1-1 (Sheet 4 of 4)

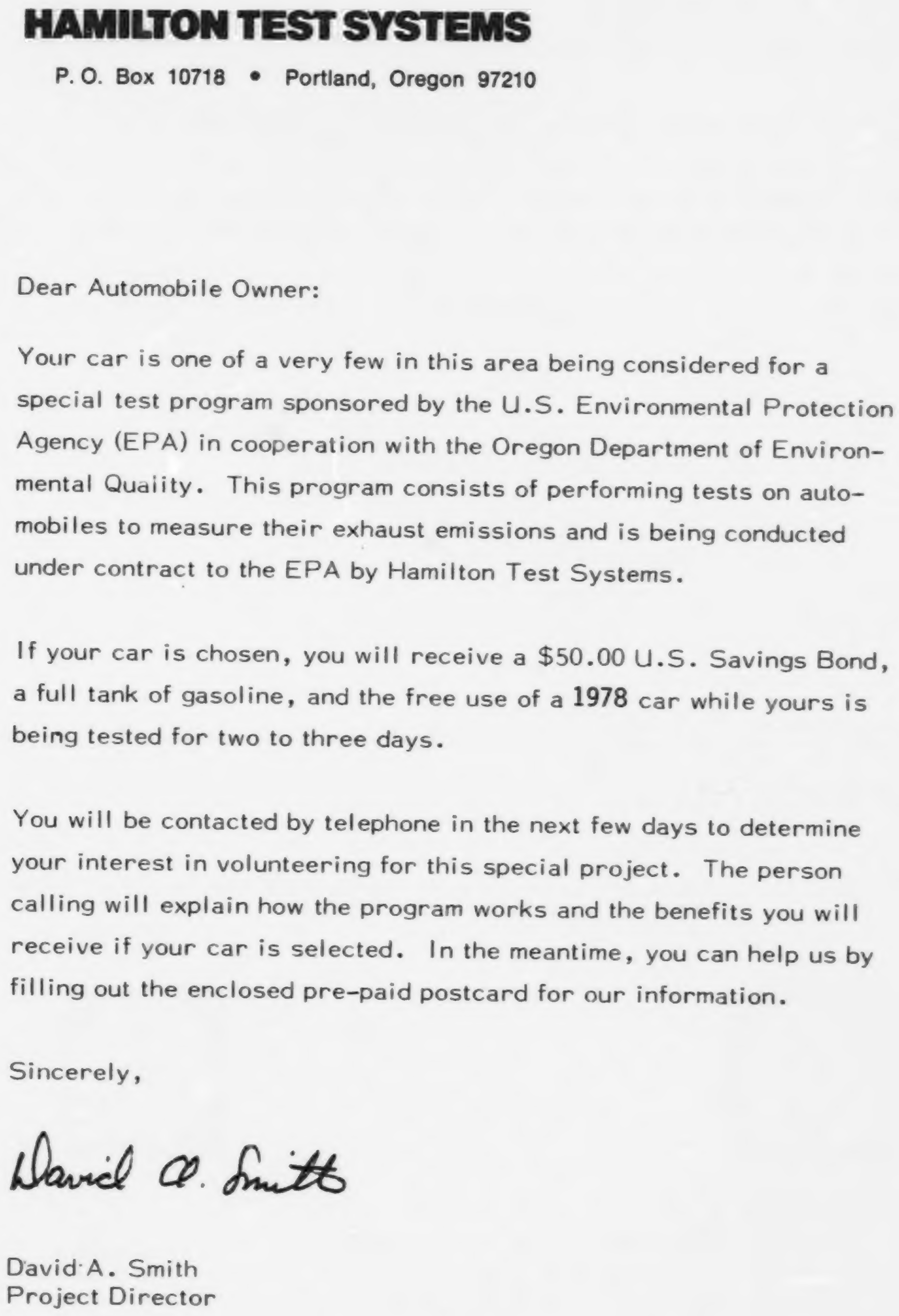
CELL IDENTIFICATION

						"ACTUAL HP SETTINGS"		
CELL NO	MODEL YEAR(S)	MAKE / MODEL	ENGINE / CARB	WEIGHT CLASS	TRANS	FTP 50 MPH	F3M 52 MPH	F3M 25 MPH
52	1976	Cadillac/Seville	350 - FI	4500	A	14.0	19.5	9.5
52	1977	Cadillac/Seville	350 - FI	4500	A	10.1	16.5	9.5
54	1977	Chev/Chev, Camaro, Malibu, Nova	250 - 1V	4000	A	10.3	15.5	8.5
55	1977	Chev/Chev, Malibu, Monte Carlo, Caprice	305 - 2V	4000	A	11.3	16.5	8.5
56	1977	Chev/Chev, Malibu, Monte Carlo, Caprice	350 - 4V	4000	A	11.3	16.5	8.5
57	1977	Pont, Olds/LeMans, Grand Prix, Catalina	301 - 2V	4500	A	10.8	17.0	9.5
58	1977	Pont, Olds, Buick/Pont, Olds 88, LeSabre, Catalina, Electra, Riviera, Olds 98	403 - 4V	4500	A	11.8	18.0	9.5
59	1977	Pont, Olds, Buick/Firebird, Cutlass, Century, LeMans, Olds 88, LeSabre, Regal, Catalina	231 - 2V	4000	A	11.3	16.5	8.5
60	1977	Olds/Cutlass, Olds 88	350 - 4V	4500	A	10.8	17.0	9.5
61	1975	Toyota/Corona	133 - 2V	3000	M	10.3	13.5	6.5
61	1976	Toyota/Corona	133 - 2V	3000	M	11.3	14.5	6.5
62	1977	Toyota/Corona	133 - 2V	3000	M	10.3	13.5	6.5
63	1975, 1976	Cadillac/Calais, DeVille	500 - 4V	5500	A	15.3	22.5	11.5

4.2 VEHICLE RECRUITMENT

The initial contact with a prospective participant was via an introductory letter and return mailer. A copy of each is shown (Figures 4.2-1 and 4.2-2). The planned capture rate was 10%, however, the actual rate was greater than 20%. The main reason for the higher capture rate is believed to be the attractive incentives. Each participant received a $50.00 Savings Bond, a current model loan vehicle, and a full tank of gas upon return of his vehicle. The loan fleet consisted of Cadillacs, Monte Carlos, Granadas, Monarchs, Cutlasses, Camaros, Firebirds, Impalas and Caprices.

Actual recruitment of vehicles for the correlation study started in October, 1977; however, recruitment of vehicles through May of 1977 was constrained as a result of an overlap with the Element II test program. Since Element II vehicles were to be tested at three-month intervals, over a period of fifteen (15) months, and one-third of the Element II vehicles had to be retested immediately after initial maintenance, Element II recruitment was given a high priority during the initial vehicle recruitment phase. An effort was made to uniformly recruit vehicles through the remaining months of the year 1978 in order to adjust for seasonal effects. The vehicle recruitment by Cell by month is shown on Table 4.2-1. Totals for each Cell range from 32 to 45 vehicles, an unevenness which reflects both EPA's decision to halt Element I testing ahead of schedule and the relative recruiting difficulty from one Cell to another. The monthly imbalances were caused by a misunderstanding of the requirements for the



HAMILTON TEST SYSTEMS
P. O. Box 10718 • Portland, Oregon 97210

Dear Automobile Owner:

Your car is one of a very few in this area being considered for a special test program sponsored by the U.S. Environmental Protection Agency (EPA) in cooperation with the Oregon Department of Environmental Quality. This program consists of performing tests on automobiles to measure their exhaust emissions and is being conducted under contract to the EPA by Hamilton Test Systems.

If your car is chosen, you will receive a $50.00 U.S. Savings Bond, a full tank of gasoline, and the free use of a 1978 car while yours is being tested for two to three days.

You will be contacted by telephone in the next few days to determine your interest in volunteering for this special project. The person calling will explain how the program works and the benefits you will receive if your car is selected. In the meantime, you can help us by filling out the enclosed pre-paid postcard for our information.

Sincerely,

David A. Smith

David A. Smith
Project Director

Figure 4.2-1

Subsidiary of
UNITED
TECHNOLOGIES

HAMILTON TEST SYSTEMS
P.O. Box 10718 • Portland, Oregon 97210

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Sincerely,

David A. Smith

David A. Smith
Project Director

Figure 4.2-1

Subsidiary of
UNITED TECHNOLOGIES™

☐ I have a listed telephone. In addition to my listed phone, I can be reached at

____

☐ I am interested in the special inspection program but have no telephone or an unlisted telephone. Please contact me at ______________________________

____

☐ I do not wish to be considered for the special inspection program. Please do not contact me.

Postage
Will be Paid
by
Addressee

No
Postage Stamp
Necessary
If Mailed in the
United States

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 4886, PORTLAND, OR

HAMILTON TEST SYSTEMS

P.O. BOX 10718

PORTLAND, OREGON 97210

Figure 4.2-2

CELL:	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
01	1	0	0	0	2	4	3	4	4	7	5	7	37
03	2	2	1	0	3	3	3	4	4	5	5	6	38
04	4	0	15	1	1	4	3	4	3	4	3	2	44
05	6	0	0	0	5	4	3	4	5	6	3	4	40
06	2	0	3	0	1	4	3	4	4	6	4	6	37
07	5	3	9	3	0	4	3	3	4	3	4	4	45
08	2	1	0	0	3	4	3	5	3	6	4	4	35
09	9	1	3	1	2	3	2	3	4	5	4	4	41
10	7	6	2	0	1	4	3	4	4	4	4	1	40
11	4	1	3	0	2	4	2	4	3	6	5	5	39
12	7	1	2	2	1	4	3	3	5	5	4	4	41
13	6	0	0	0	1	3	2	5	4	6	6	5	38
14	6	0	0	0	3	4	3	4	5	5	6	5	41
15	2	0	0	0	0	4	2	6	4	6	6	6	36
16	1	2	1	0	0	4	2	4	4	6	5	3	32
17	2	0	0	0	0	5	2	4	4	6	7	3	33
18	2	0	0	1	0	4	3	5	4	7	6	4	36
19	1	1	1	5	1	4	4	4	2	6	6	2	37
20	2	2	0	0	1	3	3	5	4	6	5	3	34
22	3	0	0	0	1	3	3	2	4	5	1	10	32
23	3	2	1	1	5	5	3	4	3	6	4	4	41

Monthly Vehicle Recruitment

Table 4.2-1 (Sheet 1 of 3)

CELL:	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
24	4	0	2	0	2	2	3	3	3	6	2	5	32
25	2	2	1	1	6	3	3	4	3	5	4	3	37
26	0	0	0	0	5	5	2	4	4	5	4	5	34
27	1	0	0	0	6	3	3	3	4	5	5	7	37
28	2	2	3	4	10	4	3	2	2	4	2	1	39
29	6	2	2	2	0	4	3	4	2	5	6	3	39
30	0	0	0	0	3	4	3	4	3	7	5	6	35
31	3	2	5	1	1	4	4	5	4	3	3	2	37
32	6	0	0	1	2	4	3	3	2	6	6	6	39
33	3	0	7	2	4	4	4	4	3	3	2	3	39
34	3	0	0	0	1	3	3	4	4	7	5	5	35
35	8	1	1	1	1	3	4	5	4	5	4	2	39
36	2	0	0	0	5	2	3	3	2	6	7	5	35
38	8	1	0	0	0	3	3	5	4	6	6	3	39
39	3	0	3	0	1	5	3	5	3	5	4	4	36
40	4	2	0	1	1	3	3	2	4	6	4	6	36
41	5	0	1	0	1	4	3	4	4	5	6	4	37
42	3	2	4	2	2	4	3	3	4	4	5	3	39
43	2	3	5	4	7	4	3	4	3	2	2	2	41
44	4	2	7	1	5	4	3	3	3	3	3	2	40

Monthly Vehicle Recruitment

Table 4.2-1 (Sheet 2 of 3)

CELL:	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
45	0	2	0	1	2	4	3	4	3	5	6	7	37
46	2	0	0	0	5	4	3	4	3	6	3	7	37
47	2	0	0	0	3	4	3	5	3	6	4	7	37
48	2	0	0	0	9	4	3	4	3	5	4	5	39
49	5	3	1	0	5	4	3	4	4	4	3	3	39
50	6	1	0	0	3	4	3	4	4	5	3	3	36
51	3	4	3	1	3	4	3	4	4	4	3	4	40
52	1	2	1	0	2	4	3	4	3	5	4	3	32
54	1	0	1	3	2	3	3	4	4	5	5	3	34
55	4	5	11	2	0	3	3	4	3	3	3	2	43
56	4	2	6	2	2	4	3	3	3	4	3	1	37
57	2	3	1	0	0	4	3	4	4	6	5	1	33
58	1	1	4	0	2	3	3	4	4	5	4	5	36
59	6	2	1	0	3	3	3	5	4	5	4	1	37
60	5	0	1	4	2	5	3	4	4	4	4	3	39
61	2	0	3	7	4	3	3	3	3	5	4	2	39
62	3	0	0	0	3	3	4	5	4	5	6	2	35
63	2	1	2	1	2	3	3	4	4	5	1	7	35
TOTAL	197	67	117	54	148	219	175	232	210	301	252	235	2207

Monthly Vehicle Recruitment

Table 4.2-1 (Sheet 3 of 3)

Element II test fleet in the beginning of that program.

Prior to being accepted into the program each vehicle was inspected to assure that no apparent exhaust leaks or other defects existed which would make the vehicle unfit for testing. After the vehicle was determined to be acceptable the vehicle exchange agreements were completed and the participants were interviewed for information necessary to complete an EPA questionnaire. The questionnaire basically requested information regarding vehicle usage and maintenance.

4.3 FACILITIES AND EQUIPMENT

4.3.1 DEQ Vehicle Inspection Station

The DEQ inspection station used in the program was located at 4621 N.W. St. Helens Road. The Idle Test was performed in the normal inspection lanes. The Federal Three-Mode and Federal Short Cycle tests were performed in a separate area within the station where a complete CVS cell was installed. The CVS control unit and the gas analysis instrumentation were located in an enclosed temperature controlled room. The dynamometer and CVS metering unit were located in an open area which was not temperature controlled. This configuration simulated a "real world" inspection station environment for the two Federal short tests being evaluated. Communication between the driver and the instrumentation technician was through headsets.

4.3.2 Hamilton Test Systems Facility

The HTS facility was located at 1421 N.W. 14th Avenue. The facility contained 15,000 square feet of useable laboratory space and 3,000 square feet of office space. The laboratory contained a soak area, a CVS test area, a diagnostic area, and a vehicle fueling area.

4.3.2.1 Office Area

This area was used for the functions of vehicle recruitment and participant interviewing, quality control and data processing, and general office management.

4.3.2.2 Test Vehicle Soak Area

An area for storing or "cold soaking" up to twenty-five vehicles was provided. The temperature within this area was maintained between 20° - 30° C (68° - 86° F) and was continuously monitored by chart recorders when any vehicle was in soak.

4.3.2.3 CVS Test Area

The CVS test area contained two completely independent sets of CVS equipment. Each set consisted of a dynamometer, sample system, and an analytical system. An enclosure within this area was used to store all the calibration and working gases.

4.3.2.4 Ventilation and Exhaust Considerations

The facility ventilation and exhaust system was designed to minimize the HC and CO background levels within the laboratory. Each test cell contained a 5,000 cfm exhaust fan and this coupled with two 6,000 cfm intake fans maintained good ventilation for each of the cells. All vehicle exhaust was directly vented to the outside. The final result was the achievement of background levels of less than 10 ppm of HC and CO, as required by the contract.

4.3.2.5 Diagnostic Test Area

The diagnostic area provided space for testing two vehicles. The area was isolated from the rest of the laboratory and was not temperature controlled. Two Autosense Diagnostic Systems and one EPA-furnished NO_x analyzer were located in this area for the performance of the Idle Test and the required post-test checks.

4.3.2.6 Fuel Area

A 10,000 gallon in-ground tank was used for storing the Indolene test fuel. The fuel was disbursed and metered by a standard gas pump. Two separate 250 gallon in-ground storage tanks were used for draining and post-test fillups. One tank was dedicated for unleaded fuel and the other for recovery of either regular or premium fuel.

4.3.3 Constant Volume Sampler (CVS)

The three Constant Volume Samplers were Critical Flow Venturi (CFV) systems manufactured by Horiba Instruments (Model CVS 20). The significant design improvements of this type of system over conventional CVS concepts are the use of the Critical Flow Venturi for metering the dilute exhaust and the elimination of the trouble-prone positive-displacement pump. Major features of the CFV CVS are the use of an efficient, low-maintenance, turbo-compressor to generage the gas flow, the use of a cyclonic separator to remove particulates from the dilute exhaust and to insure complete mixing of exhaust and dilution air, and elimination of the need for dilute exhaust temperature control by using a critical flow orifice sampling probe.

The CVS system utilized a six bag (three sample and three background) design. The bags were approximately four cu ft and were manufactured by Custom Engineering.

4.3.4 Chassis Dynamometer

A Clayton model ECE-50 dynamometer was installed at each site. To simulate vehicle weight a Clayton direct drive variable inertia flywheel assembly was attached to each dynamometer. Vehicle weights of 1750 through 5500 lbs. could be simulated. The dynamometers were flush mounted in the floor. In the interest of improved accuracy the Clayton speed and torque meters, which were of the mechanical meter movement type, were replaced with Weston 2462 digital voltmeters calibrated to read mph and lb-ft. To restrict forward movement of the vehicle, wheel chocks were placed in front of the front wheels and a hand-operated winch was tied from the rear of the vehicle to the floor. Side-to-side movement of front wheel drive cars was restricted by chains connected from the front of the vehicle to special eyebolts mounted in the dynamometer chassis.

4.3.5 Exhaust Gas Analysis Console

The three analysis consoles were built per the contract specifications by Horiba Instruments. Provisions for undiluted as well as diluted measurements were made. To reduce water vapor in the undiluted analysis system a refrigerated bath water extractor was installed in each console. In order to eliminate hydrocarbon hang-up problems, a separate flame ionization detector (FID) hydrocarbon analyzer was used for undiluted sample measurements. Stainless steel and Teflon plumbing were used exclusively throughout the entire console and all pertinent sample pump parts were Teflon coated.

The major analysis components within the console were as follows:

Analyzer	Components Measured	Ranges
Horiba AlA-21AS	CO (diluted)	100 & 500 ppm
Horiba AlA-21	CO (diluted & undiluted)	0.3%, 1%, 3%, 10%
Horiba AlA-21	CO_2 (diluted)	4%, 8%
Horiba FlA-21	HC (diluted)	50, 100, 300, 1000, 3000, & 10,000 ppm
Horiba FlA-21	HC (undiluted)	3000 & 10,000 ppm
Thermo-Electron Corp. Model 44	NO_x (diluted & undiluted)	100, 250, 1000 & 2500 ppm

The CO and CO_2 analyzers were Non-Dispersive Infrared (NDIR), the HC analyzers were Flame Ionization Detectors (FID), and the NO_x analyzer was a chemiluminescence instrument.

Each system also incorporated two Soltec 2-pen chart recorders to provide a permanent record of calibrations and analysis. The chart recorders on one system were replaced by Texas Instruments Servowriter II recorders during the program.

4.3.6 Computer System

Each of the three cells utilized a Hewlett Packard 2100 series computer in conjunction with Digital Equipment Corporation LA-36 teleprinter. The computer memory was 16K words with 16-bit word length. The computer system controlled test timing, driver's aid trace construction and shift points, CVS control functions, and wet and dry bulb temperature averaging. The computer was also used for providing the analyzer curves and determining curve fit. Test instructions to the operators were also provided by the computer by way of test indicator panels.

4.3.7 Miscellaneous Equipment

4.3.7.1 Driver's Aid

A Hewlett Packard 7128-A dual channel chart recorder was used for illustrating driver's performance. One channel, driven by the computer, illustrated the proper driving cycle and the other pen, which lagged the first by 10 - 15 seconds, was driven by a tach generator located on the rear wheel of the dynamometer.

4.3.7.2 Temperature Monitors

Every 30 seconds wet and dry bulb temperatures in front of the vehicle under test were displayed on Weston 2462 digital voltmeters and recorded on a Gulton NP-7 paper tape recorder. Soak area temperatures were continuously monitored on a Gulton 2133 temperature recording device.

4.3.7.3 Garage Analyzers

Three SUN EPA-75 non-dispersive infrared gas analyzers were used for measuring HC and CO from the exhaust during the Federal Three-Mode test.

Two Hamilton Test Systems Autosense diagnostic systems were used for measurement of HC and CO during the HTS Idle Test. One Horiba MEXA-240 analyzer which was provided as GFE (Government-furnished equipment) was used for measurement of NO_x during the HTS Idle Test.

4.3.7.4 Meteorological Monitoring Equipment

Weather conditions at the state facility were measured with a Weathermeasure WM-4 weather station.

4.3.7.5 The following additional miscellaneous equipment was also provided:

- NO_x Efficiency Detector - TECO Model 100
- Dynamometer Calibration Equipment
- Laminar Flow Element - Meriam Model 50 MCZ-4F
- Inclined Manometer - Meriam Model 40 HE 35
- Wall Mounted Manometer (2) - 0-60 in. H_2O
- Electric-powered Vehicle Mover
- Paper Tape Reader - Hewlett Packard Model 12925A
- Floppy Disc Terminal (6) - WTI Datamaster II
- CRT Terminal - Lear-Siegler ADM-3

4.4 EQUIPMENT QUALIFICATION, CALIBRATION AND CROSS-CHECKS

In order to ensure accurate exhaust emission data, all equipment, software, and test procedures were qualified prior to the start of the test program. In addition, rigorous quality control procedures were followed to check and calibrate the equipment at regular intervals throughout the program.

4.4.1 Constant Volume Sampler (CVS)

4.4.1.1 Flow Calibration

Before testing started, each CVS was calibrated with a Meriam model 50 MCZ-4F, 400 cfm laminar flow element (LFE). The flow computer in the CVS control unit was set to reflect the exact flow determined through the use of the LFE.

4.4.1.2 CVS Checks

Each CVS was checked daily by using the propane recovery method. Up to 20 grams of instrument grade propane were injected into the sampler at a rate which would yield a recovery concentration in the upper one-third of the 300 ppm range of the FID. The weight of the propane was determined by weighing the propane bottle before and after injection into the CVS on a scale accurate to 0.01 gram. Determination of the recovered amount was made using the following equation:

$$\text{Mass (grams)} = 17.3\text{x}10^{-6}\text{x Vmix x HC conc}$$

where "Vmix" is measured in standard cubic feet and "HCconc" equals the concentration (ppm) of HC measured in the sample bag less the concentration in the background bag.

The hydrocarbon hang-up of each sample bag was checked daily to verify that it was less than 1 ppm. Leak checks of both the dilute and undilute sample systems were performed daily. The bags were also evacuated, purged and leak checked before each test.

4.4.2 Analytical Instrumentation

4.4.2.1 Calibration

Calibration curves using gases named by EPA were generated for each analyzer on each range prior to the start of testing. These curves were regenerated whenever maintenance which could affect the curves was performed on an analyzer, or whenever a calibration bottle was replaced. Three points (zero, 45 and 95 percent of full scale) were used for generation of the HC and NO_x curves and seven points (nominally zero, 10, 25, 35, 50, 70, and 90 percent of full scale) for the non-linear instruments. Verification of a valid curve was determined by all points being within one percent of full scale or five percent of the measured value, whichever was less.

4.4.2.2 Checks

All calibration curves were checked weekly by verifying that all calibration points remained within one percent of full scale or five percent of the measured value, whichever was less.

A wet CO_2 interference check was performed daily on the 100 ppm range of the low CO analyzer. An identical check was performed weekly on the

3000 ppm range of the high CO analyzer. Tolerances for the interference checks were 30 ppm for the high CO analyzer and 3 ppm for the low CO analyzer.

The efficiency of the NO_x converter was checked daily on the 100 ppm range to verify that the efficiency was greater than 90 percent.

Immediately before recording a sample and background reading the analyzers were zeroed and span set on the applicable range. The tolerance on these settings was ± 0.2 percent of full scale for HC and NO_x and ± 0.5 percent for CO and CO_2. The span gases used were approximately 80 percent of full scale for each range and were named from the 90 percent calibration gases. These span gases were checked weekly with the calibration gases and were renamed if they exceeded ± 1 percent of the original setpoint. After the sample and background readings were recorded, the zero and span settings were checked. The tolerance on the zero and span check was ± 1 percent of full scale.

The tune and gain of each analyzer were recorded daily, as well as the pressure and flow of gas to each instrument.

4.4.3 Dynamometer

4.4.3.1 Calibration

Calibration curves for the FTP and Federal Three-Mode tests were generated for each of the three dynamometers prior to the start of testing.

Bi-weekly checks confirmed the calibration of the dynamometers during the entire program.

The curves to determine actual vs. indicated horsepower for the FTP were generated for each inertia weight from 1750 through 5500 lbs, in 250 lb increments up to 3000 lb and 500 lb increments to 5500 lb.

Horsepower settings of 4, 8, and 14 were used for each curve. The coastdown technique was used to determine the actual horsepower after the indicated horsepower had been set on the torque meter. The coastdown technique utilizes a vehicle for setting the horsepower at the desired speed (50 mph for the FTP). Once the setting is made the vehicle is accelerated to a higher speed and the vehicle is then lifted from the dynamometer. The time it takes for the dynamometer loaded roll to slow from 5 mph greater to 5 mph less than the set speed is recorded. Using the following equation the actual horsepower (AHP) is then calculated:

$$\mathrm{AHP} = \left(\frac{\text{Inertia Wt.}}{32.2 \text{ ft/sec}} \times \frac{V_1^2 - V_2^2}{550 \times \text{Time}} \right) \times 1/2$$

where V_1 = Initial Velocity in ft/sec,

V_2 = Final Velocity in ft/sec,

Time = Coastdown time in seconds

A strobe light was used to measure the rotative speed of the dynamometer rolls, which is converted to linear speed. A stop watch was used for the time measurement.

For the Federal Three-Mode test, curves to determine the actual vs. indicated horsepower were established for the speeds of 25 mph and 52 mph at an inertia weight of 4000 lbs. Indicated horsepower settings of 2, 4, 6, 8, 10 and 12 were used for the 25 mph curve, and 4, 6, 8, 10, 12, 14, 16, 18 and 20 were used for the 52 mph curve.

4.4.3.2 Dynamometer Checks

The indicated versus actual horsepower FTP calibration curves were confirmed bi-weekly. One point as specified in 38 Federal Register 124 for each curve (2000 - 5500 lbs) was checked to verify that the horsepower value was within ± 1 hp of the original curve point. The Federal Three-Mode 25 mph and 52 mph curves were also checked bi-weekly. This consisted of checking the high and low data points on both curves and verifying they were within ± 1 hp of the original points. The coastdown technique was used for all dynamometer checks with three time readings taken for each check and averaged for use in the actual horsepower equation.

Before performing the curve checks, the torque and speed meters were calibrated. The speed meter was calibrated with a General Radio Strobotac at 25 and 50 mph. The torque meter was calibrated with weights at 0, 5, 40 and 75 lbs.

4.4.4 Garage Analyzer Checks

The SUN EPA-75 analyzers were zeroed and span-set (75% of full scale) daily. The 25 percent-of-full-scale points for both HC and CO were checked daily. The span gases used were named from the calibration gases and were checked weekly.

The Autosense unit used for the Idle Test was checked weekly with the same span gases used for checking the SUN analyzers.

4.4.5 Equipment Logs

Logs containing the status of calibration and working gases, and all calibration and checks were maintained on a daily basis. All maintenance was also recorded in separate log books for each cell.

4.4.6 Cross Checks

Cross checks were performed several times during the course of the project under the supervision of the on-site EPA personnel. The tests were conducted on the EPA correlation vehicle (1977 Aspen station wagon). The basic test plan which was followed consisted of:

- Preconditioning soak and warm up (one LA-4 driving cycle).
- 10 minute soak - engine and cooling fan off and hood closed.
- Cruise at 30 mph for 5 minutes.
- Hot Start FTP with sample collection and analysis.
- Repeat the above four steps two times for a total of 3 cycles.
- 50 mph steady for 15 minutes with two 5 minute samples during the last 10 minutes.
- Coastdowns on dynamometer with vehicle in neutral.

The results of the data collected during the tests indicated excellent agreement between the EPA and HTS laboratories.

4.5 TEST PROCEDURES

Each vehicle was tested according to the following sequence of test procedures at the DEQ station by DEQ personnel:

- State Idle Test
- Federal Short-Cycle Test*
- Federal Three-Mode Test*

Upon completion of the above tests, each vehicle was then tested according to the following sequence at the HTS facility:

- Idle Test
- Vehicle FTP Preparation
- Federal Test Procedure
- Federal Short-Cycle Test
- Federal Three-Mode Test
- After Test Procedures

4.5.1 Idle Test

The idle test was performed with the vehicle hood open and with no auxiliary cooling. The test consisted of a measurement of the vehicle emissions at curb idle and at 2500 ± 200 rpm, followed by another emissions measurement after the engine was decelerated to curb idle speed and the emissions had stabilized. HC and CO emissions were recorded for each of the three conditions. The idle speed was recorded for the curb idle modes. During the idle test at the HTS facility, NO_x emissions were also measured and recorded for each condition.

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*The Federal Short-Cycle and the Federal Three-Mode tests at the state station were terminated by EPA after approximately 1160 vehicles were tested. At this point the EPA felt that sufficient data had been collected for this portion of the correlation study.

At the DEQ station the queue time and the following ambient conditions were recorded: temperature, wind velocity, relative humidity, barometric pressure, and general weather conditions (rain, fog, etc.).

The idle test at the HTS facility was performed with the vehicle in a warmed-up condition and was normally started within a half-hour after arriving. If the vehicle was not tested within a half-hour, the vehicle was preconditioned by a ten-minute drive on city streets. The Dry Bulb and Wet Bulb temperatures, relative humidity, and barometric pressure were recorded at the time of the test.

4.5.2 Federal Short Cycle Test

The Federal Short Cycle Test is a 9-mode CVS test of 125 seconds duration. The simulated driving distance is 0.7536 miles and the driving schedule is as follows:

Mode	Time in Mode (seconds)
0-16 mph acceleration	6
16-29 mph acceleration	23
29 mph cruise	10
29-37 mph acceleration	18
37-42 mph acceleration	4.5
42-37 mph deceleration	2.5
37-20 mph deceleration	32
20-0 mph deceleration	7.5
idle	21.5
	125.0 seconds total

The dynamometer loading and transmission shift points are identical to those used for the Federal Test Procedure. The test is preceded by a six-minute soak period. At the start of the soak the engine is stopped and, after three minutes, is restarted and allowed to idle for the final three minutes. The test was conducted with the hood closed and no auxiliary cooling.

The results calculated from this test are the HC, CO, CO_2 and NO_x emissions in grams per mile and the vehicle's fuel consumption in miles per gallon.

4.5.3 Federal Three-Mode Test

The Federal Three-Mode Test consisted of three steady state-operating modes with dynamometer loads simulating the average power occurring at the appropriate speed during the Federal Test Procedure. The actual horsepower settings used for the test are shown on Table 4.1-1. The three modes were High Speed (52 mph), Low Speed (25 mph), and Idle. For vehicles with manual transmissions the High Speed test was conducted in the fourth gear (third gear for three-speed transmissions), the Low Speed test was conducted in third gear, and the Idle test in neutral. Vehicles with automatic transmissions were tested in Drive for all modes. The HC and CO undiluted exhaust emissions were simultaneously measured on the "laboratory" instruments and the "garage" EPA-75 analyzer for each of the modes. NO_x was also measured and recorded during the test. The test was preceded by a six-minute soak period identical to the one used for the Federal Three-Mode test. The test was conducted with the hood closed and no auxiliary cooling. The measurements for each mode were taken ten seconds after the proper speed was reached and the horsepower settings were made. The result recorded was the average value of twenty seconds of readings after the ten-second stabilization. The average value for the laboratory analyzers was calculated from strip chart records. The average value from the garage analyzers was a visual estimate.

4.5.4 Vehicle FTP Preparation

Upon completion of the Idle test at the HTS facility, the vehicle's tank was drained and refueled to forty percent of capacity with Indolene HO fuel. Snow tires, if installed, were rotated to non drive-wheel positions. The vehicle was then preconditioned by a ten-minute drive on city streets to evaluate its driveability and to purge any non-test fuel. After the preconditioning drive the vehicle was then cold-soaked in the HTS facility for a period of twelve to twenty hours. The soak temperature was maintained at a temperature between 20° to 30° C (68° to 86° F), and was continuously monitored with a strip chart recorder.

4.5.5 Federal Test Procedure

The Federal Test Procedure (FTP) exhaust emissions test was conducted in accordance with the procedures of 37 Federal Register 221 as amended in 38 Federal Register 124, 38 Federal Register 209, 39 Federal Register 14, and 39 Federal Register 101. The temperature during the test was maintained between 20° to 30° C (68° to 86° F).

The actual dynamometer horsepower settings for each Cell tested are shown on Table 4.1-1. The shift points used for the manual transmission vehicles are shown in Table 4.5-1.

The Federal Test Procedure consists of cold transient, cold stabilized and hot transient test portions. The two transient portions are each 505 seconds long and simulate a driving distance of 3.59 miles. The stabilized portion is 867 seconds long and covers a driving distance of 3.91 miles.

4.5.6 After-Test Procedures

Upon completion of testing and prior to filling the fuel tank and returning the vehicle to the owner, the ignition timing, idle speed, and dwell were measured and, along with their respective manufacturer's specifications, were recorded.

SHIFT POINTS

TABLE 4.5-1

The shift points for vehicles with manual transmissions were as follows with the exceptions specified below:

3 - SPEED	1-2 20 mph	2-3 30 mph		
4 - SPEED	1-2 15 mph	2-3 25 mph	3-4 40 mph	
5 - SPEED	1-2 15 mph	2-3 25 mph	3-4 40 mph	4-5 not used

EXCEPTIONS

CELL	3 SPEED		4 SPEED			5 SPEED			
	1-2	2-3	1-2	2-3	3-4	1-2	2-3	3-4	4-5
05 (1976)						15	25	40	45
05 (1977)						10	20	30	45
07						15	25	40	50
08						15	25	40	50
24 (W code)*			10	20	30				
24 (X code)*			10	25	35				
26 (U&W code)*			10	20	30				
26 (V&X code)*			10	20	35				
39 (1975 Vega)			20	30	40	20	30	40	not used
39 (1976 Vega) (& Monza)			20	30	40	20	30	40	not used
46			10	25	40				

* The letter codes represent Ford transmission configurations.

Note: Cell 62 required a downshift from 3rd to 2nd at the 187 second point of the FTP driving schedule.

4.6 DATA HANDLING & QUALITY CONTROL

The data are basically classified into three types. They are 1) the manual data which are acquired from the Vehicle Owner Questionnaire (Figure 4.6-1) and the Vehicle Summary Sheet (Figure 4.6-2), 2) the emissions data which are recorded on Emissions Data Sheets (Figure 4.6-3), and 3) the vehicle identification data which are stored on file at the Michigan Terminal System (MTS). The end product of the data processing was the formatting of the manual data and emissions data on separate flexible discs for transmittal to MTS where the data were merged with the vehicle identification data and transposed to EPA formats. The reformatted data were then placed in a file which was accessible by EPA. The flow of the data handling system is shown on Figure 4.6-4.

4.6.1 Manual Data Handling

The manual data from the Vehicle Owner Questionnaire and the Vehicle Summary Sheet were keypunched on a terminal and Data Master II unit to a flexible disc. The same data were then re-keypunched by a different HTS employee, automatically checked for comparison, and edited as required. A hard copy of the data on the disc was made and kept as a backup file.

4.6.2 Emissions Data Handling

During the early stages of data transmittals many errors in transcription were detected in the emissions data. In an effort to provide EPA with test packets with an acceptable error-free rate, a rigorous procedure

VEHICLE OWNER QUESTIONNAIRE

VID ______________

TEST NO. 81

TAG NO. __________

DATE ______________

1. Did you purchase (or lease) the vehicle new or used?

1	2
NEW	USED

2. How long ago did you purchase the vehicle?

1	2	3	4
0-3 mos.	3-12 mos.	1-2 yrs.	Over 2 yrs.

3. On a yearly basis, how many thousands of miles is this vehicle driven?

1	2	3	4	5	6
0-5	5-10	10-15	15-20	20-30	Over 30

4. Where is the driving done?	Almost All	Most	Some	Little or None
a) City Expressways	1	2	3	4
b) Major City Streets	1	2	3	4
c) Other City Streets	1	2	3	4
d) Rural Expressways & other Rural Roads	1	2	3	4

5. How is the driving done?	Almost All	Most	Some	Little or None
a) To and from work	1	2	3	4
b) Shopping and errands	1	2	3	4
c) Business (not to & from work)	1	2	3	4
d) Other (social, vacation, etc.)	1	2	3	4

6. How did you get here today?

a) City Streets Only	Some Expressways	Primarily Expressways	b) Approx. Miles
1	2	3	☐☐

7. How is this vehicle used?	Almost All	Most	Some	Little or None
a) Driver only	1	2	3	4
b) Driver and 1 passenger	1	2	3	4
c) Driver and 2 or more passengers	1	2	3	4
d) Driver only with heavy cargo	1	2	3	4
e) Driver, passenger and cargo	1	2	3	4
f) Towing a trailer	1	2	3	4

8. On a typical day, how many trips are made with this vehicle: (One trip is defined as starting the engine, traveling some distance and stopping the engine.) ☐☐

9. On a weekly basis, how often is full-throttle acceleration used?

1	2	3	4
Seldom	Once or Twice	3-6 Times	Every Day

10. Approximately what fuel economy (in miles per gallon) does your vehicle obtain?

a) Overall ☐☐
b) Highway Driving ☐☐
c) City Driving ☐☐

(Enter 00 if owner does not know.)

Figure 4.6-1

(Sheet 1 of 3)

11. Do you now experience any engine

- a) Hard Starting ☐
- b) Stalling ☐
- c) Rough Idle ☐
- d) Engine Misfiring ☐
- e) Poor Accel. ☐
- f) Stumbling ☐
- g) Dieseling ☐
- h) Other ☐
- i) No major problems ☐

12. Overall, are you reasonably satisfied with the engine performance of this vehicle?

Yes	Most of the Time	No
1	2	3

13. How long ago was the last oil change?

1	2	3	4	5	6
Too New not due	Due but not yet done	0-6 mos. ago	6-12 mos.	Over 1 yr.	Don't know

14. How often is this vehicle tuned-up?

1	2	3	4	5	6
No tune-up yet	Per. mfrs recommend.	Every 6 mos.	Every yr.	Less Often	Don't Know

15. How long ago was the last tune-up?

1	2	3	4	5	6
Too new not due	Due but not done	0-6 mos.	6-12 mos.	Over 1 yr.	Don't Know

16. Who performed this tune-up?

1	2	3	4	5	6
No tune-up	Dealer	Independent garage	Tune-up Clinic	Your-self	Don't know

17. Approximately, how much did the tune-up cost? (Try to exclude other work done at the same time.)

$ __ __ __.   ☐ 999 No tune-up   ☐ 000 Don't know

18. Would you consider that the vehicle has been maintained in accordance with the manufacturer's recommendations?

1	2	3
Yes	No	Don't know

19. How many times has the vehicle been returned for emission control repairs under warranty?

1	2	3	4	5
Once	Twice	3 or more	Never Returned	Not unde warranty

20. Has the vehicle ever been returned under warranty for the correction of any driveability problems?

1	2	3
Yes	No	Not under warranty

21. How long ago was it returned for the correction of any driveability problems while under warranty?

1	2	3	4	5	6
0-3 months	3-6 months	over 6 months	Never returned	Don't know	Not under warrar y

Figure 4.6-1

(Sheet 2 of 3)

22. Does your vehicle require the use of unleaded fuel?

1	2
Yes	No

23. If your vehicle requires unleaded fuel, how often is leaded fuel used?

1	2	3	4	5	6
Not applicable	Never	Seldom	Ocassionally	Frequently	Don't know

24. What is the brand name (not just company name) of the fuel you normally use (eg., Gulftane, Sunoco 190, Fire Chief?)

____

25. Have you, or others, ever noticed a hydrogen sulfide (rotten eggs) odor in this vehicle's exhaust?

1	2	3	4	5
Never	Seldom	Ocassionally	Frequently	Don't know

26. Is this vehicle operated regularly on unpaved roads, in competitive events, or in hauling or transporting loads heavier than for which it was designed?

1	2	3
Yes	No	Don't know

27. Has the vehicle ever had major damage in any of the following areas?

☐ a) Engine
☐ b) Cooling System
☐ c) Fuel System
☐ d) Exhaust System
☐ e) No Damage
☐ f) Don't know

28. Has this vehicle ever been modified by the installation of high performance equipment (cams, headers, carburetor's ignition parts, transmission shift kits, etc.)?

1	2	3
Yes	No	Don't know

Figure 4.6-1

(Sheet 3 of 3)

VEHICLE SUMMARY SHEET - INITIAL

EPA NO _ _ _ _ _ _ _ ; GR/SEQ _ _ ; VID NO _ _ _ _ _ _ _ ; DATE _ _ _ _ _ _ _; INERTIA WEIGHT _ _ _ _

FED. 3-MODE WT. CODE _

VEHICLE INFORMATION

AIR CONDITIONING: 1.Yes 2.No

ELECTRONIC IGNITION: 1.Yes 2.No

IDLE LIMITER CAPS: 1.OK 2.Damaged 3.Missing

FUEL FILLER NECK DAMAGED OR ALTERED: 1.Yes 2.No

ODOMETER: _ _ _ _ _ _

SPARK PLUG DEPOSITS: 1.Yes 2.No 3.Not Inspected

POST TEST CHECKS

(Not required for 1972-74 or Eugene Vehicles)

	RESULTS	SPECS		RESULTS	SPECS		RESULTS	SPECS
IDLE SPEED	_ _ _ _	_ _ _ _;	DWELL	_ _	_ _ ;	TIMING	( ) _ _	( ) _ _

SOURCE OF SPECS: 1.Emission Label 2.Owner's Manual 3.Indep. Repair Service Manual 4.Manufacturer Shop Manual 5.Other

DRIVEABILITY EVALUATION

ENGINE STARTING	TRANSMISSION	CLUTCH	BRAKES
1.Good	1.Ok	1.Ok	1.Ok
2.Hard	2.Shifts Hard	2.Grabs	2.Fade
3.False	3.Slips	3.Slips	3.Poor
		4.N/A	4.None

DRIVEABILITY

	Yes	No		Yes	No
1.OK	1	2	5.Stretchy	1	2
2.Surge	1	2	6.Engine Miss	1	2
3.Stumble	1	2	7.Diesels	1	2
4.Backfire	1	2			

STATE

TEMP _ _ °F; WIND _ _ mph; REL. HUMID. _ _ %

PRECIP: 1.Rain 2. Snow 3. Fog 4. None

BARO PRESS: _ _ . _ _ in Hg;

QUEUE TIME _ _ min.; DATA CODE _; DEQ UNIT NO _ _

HTS LAB

D.B.TEMP: _ _ °F; W.B.TEMP: _ _ °F;

BARO PRESS: _ _ . _ _ in Hg;

DATA CODE _; REL. HUMID _ _ %

		IDLE	2500	IDLE	P/F STATUS	IDLE	2500	IDLE
IDLE TEST	HC(ppm)	_ _ _ _	_ _ _ _	_ _ _ _	_	_ _ _ _	_ _ _ _	_ _ _ _
	CO(%)	_ _ . _ _	_ _ . _ _	_ _ . _ _	_	_ _ . _ _	_ _ . _ _	_ _ . _ _
	NO_x(ppm)	▨	▨	▨	▨	_ _ _ _	_ _ _ _	_ _ _ _
	RPM	_ _ _ _	▨	_ _ _ _	_	_ _ _ _	▨	_ _ _ _

Figure 4.6-2

HAMILTON TEST SYSTEMS

DEQ FSC/F3M EMISSIONS DATA SHEET

RUN NUMBER
OPERATOR
DRIVER
IHP

0 EPA NUMBER
GR/SQ
7 DATE (YYMMDD)
1 SITE
INERTIA WT ; CODE
AHP

FSC-DEQ
10 TEST
DATA CODE
DB
WB
VMIX

		CO	NO_x	CO_2	HC
BAG SET 1	SAMPLE	RANGE DEFLECT	RANGE DEFLECT	RANGE DEFLECT	RANGE DEFLECT
	BACKGROUND	RANGE DEFLECT	RANGE DEFLECT	RANGE DEFLECT	RANGE DEFLECT

F3M-DEQ
20 TEST
DATA CODE
DB
ACTUAL HORSEPOWER
HIGH SPEED
LOW SPEED

		CO	NO_x	HC
HI-SPEED	LAB	RANGE DEFLECT	RANGE DEFLECT	RANGE DEFLECT
	GAR	CO (%)		HC (PPM)
LO-SPEED	LAB	RANGE DEFLECT	RANGE DEFLECT	RANGE DEFLECT
	GAR	CO(%)		HC (PPM)
IDLE	LAB	RANGE DEFLECT	RANGE DEFLECT	RANGE DEFLECT
	GAR	CO(%)		HC(PPM)

Figure 4.6-3

(Sheet 1 of 3)

HAMILTON TEST SYSTEMS

FTP EMISSIONS DATA SHEET

RUN NUMBER
OPERATOR
DRIVER
IHP ·

EPA NUMBER 0
GR/SQ
DATE (YYMMDD) 7
SITE
INERTIA WT
CODE
AHP ·

FTP
TEST 30
DATA CODE
BARO ·
DB
WB
VMIX

COLD TRANSIENT — BAG SET 1

	CO	NO_x	CO_2	HC
SAMPLE	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·
BACKGROUND	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·

BARO ·
DB
WB
VMIX

COLD STABILIZED — BAG SET 2

SAMPLE	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·
BACKGROUND	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·

BARO ·
DB
WB
VMIX

HOT TRANSIENT — BAG SET 3

SAMPLE	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·
BACKGROUND	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·	RANGE DEFLECT ·

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Figure 4.6-3

(Sheet 2 of 3)

HAMILTON TEST SYSTEMS

FSC/F3M EMISSIONS DATA SHEET

RUN NUMBER

OPERATOR

DRIVER

IHP .

0 EPA NUMBER

GR/SQ

7 DATE (YYMMDD)

SITE

INERTIA WT | CODE

AHP .

FSC-HTS

60 TEST

DATA CODE

DB

WB

VMIX

		CO	NO_x	CO_2	HC
BAG SET 1	SAMPLE	RANGE	RANGE	RANGE	RANGE
		.	.	.	.
		DEFLECT	DEFLECT	DEFLECT	DEFLECT
	BACKGROUND	RANGE	RANGE	RANGE	RANGE
		.	.	.	.
		DEFLECT	DEFLECT	DEFLECT	DEFLECT

ACTUAL HORSEPOWER

F3M-HTS

70 TEST

DATA CODE

DB

HIGH SPEED .

LOW SPEED .

		CO	NO_x	HC
HI-SPEED	LAB	RANGE	RANGE	RANGE
		.	.	.
		DEFLECT	DEFLECT	DEFLECT
	GAR	.		
		CO (%)		HC (PPM)
LO-SPEED	LAB	RANGE	RANGE	RANGE
		.	.	.
		DEFLECT	DEFLECT	DEFLECT
	GAR	.		
		CO(%)		HC(PPM)
IDLE	LAB	RANGE	RANGE	RANGE
		.	.	.
		DEFLECT	DEFLECT	DEFLECT
	GAR	.		
		CO(%)		HC(PPM)

Figure 4.6-3

HTS PTL 022 Walt's

(Sheet 3 of 3)

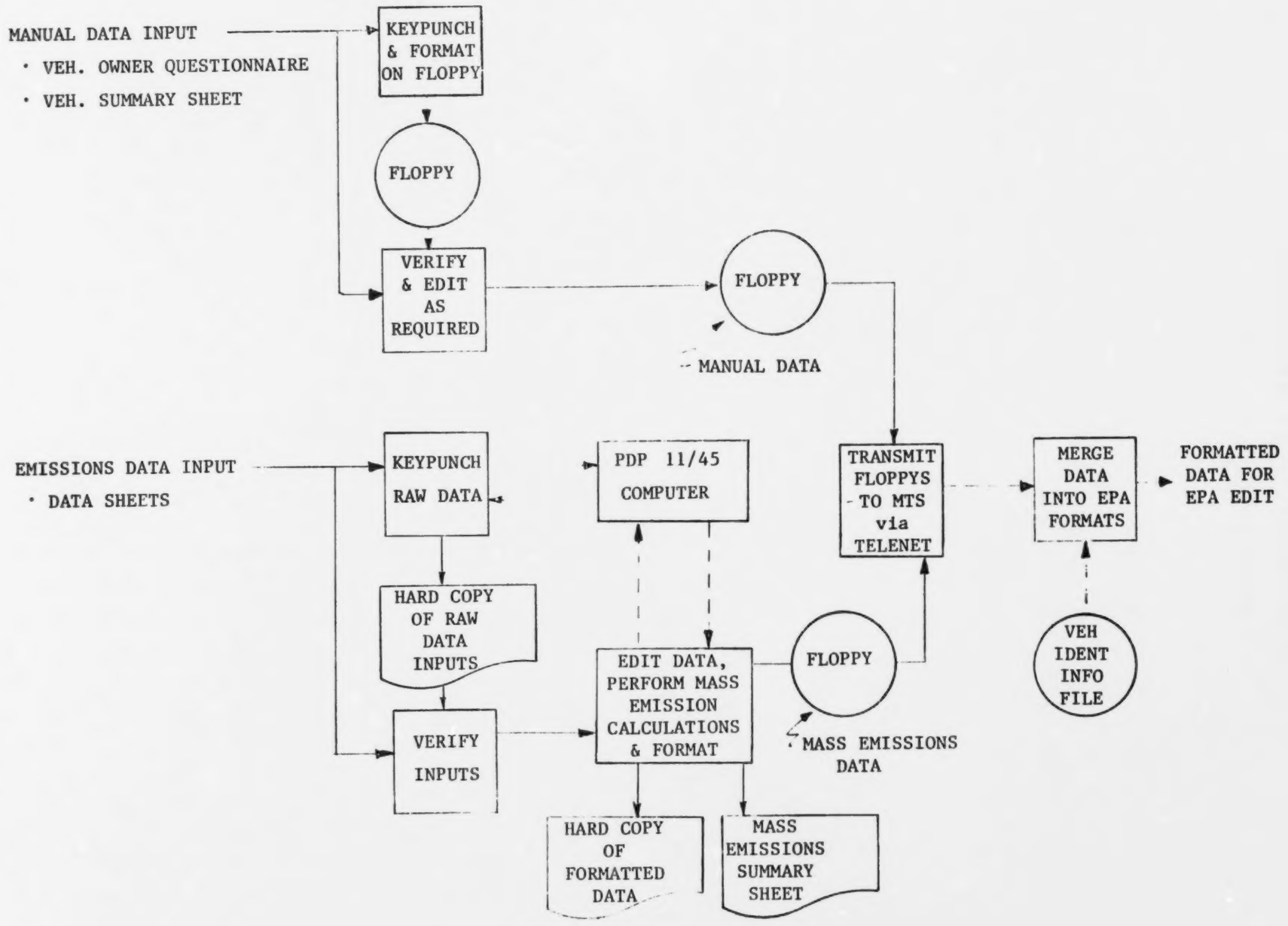
MANUAL DATA INPUT
· VEH. OWNER QUESTIONNAIRE
· VEH. SUMMARY SHEET
KEYPUNCH & FORMAT ON FLOPPY
FLOPPY
VERIFY & EDIT AS REQUIRED
FLOPPY
MANUAL DATA
EMISSIONS DATA INPUT
· DATA SHEETS
KEYPUNCH RAW DATA
HARD COPY OF RAW DATA INPUTS
VERIFY INPUTS
PDP 11/45 COMPUTER
EDIT DATA, PERFORM MASS EMISSION CALCULATIONS & FORMAT
HARD COPY OF FORMATTED DATA
MASS EMISSIONS SUMMARY SHEET
FLOPPY
MASS EMISSIONS DATA
TRANSMIT FLOPPYS TO MTS via TELENET
MERGE DATA INTO EPA FORMATS
VEH IDENT INFO FILE
FORMATTED DATA FOR EPA EDIT

FIGURE 4.6-4 DATA HANDLING FLOW CHART

was developed for checking and handling of the emissions data.

One of the major sources of errors which were undetected by the QC personnel was the transfer of data by the CVS technicians from the raw strip chart recordings to the Emissions Data Sheets. To alleviate this problem a second set of Emissions Data Sheets was generated by the QC personnel directly from the strip charts. The two sets of Emissions Data Sheets were then compared and any discrepancy was corrected. As a further check a second QC employee would recheck the two sets for agreement.

After the Emissions Data Sheets were corrected, the data were keypunched into a terminal connected via a modem to a local computer service. The computer used was a DEC PDP 11/45, and was programmed to prompt the inputs, perform the emissions calculations, and format the data. Prior to commanding the computer to perform the emissions calculation, a hard copy of the raw inputs (see Figure 4.6-5) was checked by QC personnel to verify that all entries were correct. Any errors were corrected by an edit routine. After the raw inputs were verified the emissions calculations were performed, yielding as output the Mass Emissions Summary Sheet (see Figure 4.6-6), and the flexible disc of the formatted data. As a backup a hard copy of the formatted disc data was also made. The Mass Emissions Summary Sheet was then checked for reasonableness of results.

4.6.3 Vehicle Identification Data

The following information was stored in file at the Michigan Terminal

```
TEST#  EPA#   GR/SQ  DATE    SITE  IN.WT   HP    DCODE   BARO   TDB   TWB   VMIX
30     070100    41  780530   2    2250    08.8          30.15   78    61   2798
          COS       COB        NOXS      NOXB      CO2S       CO2B      HCS       HCB
 RANGE    3000      500        250       250       4          4         300       300       BAG1
 DEFLECT  36.9      .1         39.6      .1        23.2       1         40.6      2
                                                   BARO   TDB   TWB   VMIX
                                                   30.14   79    61   4829
          COS       COB        NOXS      NOXB      CO2S       CO2B      HCS       HCB
 RANGE    500       500        100       100       4          4         100       100       BAG2
 DEFLECT  85.9      .1         31.2      .1        15.7       .9        46        6.4
                                                   BARO   TDB   TWB   VMIX
                                                   30.14
                                                          79    61   2802
          COS       COB        NOXS      NOXB      CO2S       CO2B      HCS       HCB
 RANGE    3000      500        250       250       4          4         300       300       BAG3
 DEFLECT  28.7      .1         37.8      .1        21         .9        29.9      2.2
```

Raw Inputs for FTP

Figure 4.6-5

Mass Emission Data Summary
Hamilton Test Systems

Report made 08-Dec-78

EPA Number 070100-41

TEST	BAG(UNITS)	HC	CO	CO2	NOX	NOXC	MPG
FTP-30	CT(grams)	005.32	081.12	1151.1	15.29	13.73	******
	CS(grams)	003.15	067.46	1316.0	08.14	07.27	******
	HT(grams)	003.83	060.08	1041.0	14.61	13.04	******
	COMP/GPM	001.02	018.21	0320.6	03.07	02.75	25.2
FSC-10	GPM	000.90	012.77	0271.1	02.63	*****	30.2
FSC-60	GPM	000.74	017.73	0260.2	02.14	*****	30.5

	Hi					Low					Idle				
	HC-L	CO-L	NOX-L	HC-G	CO-G	HC-L	CO-L	NOX-L	HC-G	CO-G	HC-L	CO-L	NOX-L	HC-G	CO-G
TEST 20	1536.4	00.6	2502.8	0110	00.7	1104.4	00.4	1097.2	0070	00.5	0880.7	00.0	0096.7	0060	01.0
TEST 70	1573.2	01.0	2397.4	0180	01.1	2123.8	01.3	1526.0	0280	01.5	0756.4	01.2	0081.6	0170	01.4

Figure 4.6-6

System (MTS) for approximately 35,000 vehicles. The information was retreived by a code number which was transmitted to MTS with the manual data.

- Vehicle Identification Number (VIN)
- Engine Family Designation
- EPA Vehicle Manufacturer and Model Codes
- Model Year
- Engine Displacement and Type
- Number of Cylinders
- Fuel Metering
- Inertia Weight
- Types of Emission Controls

4.6.4 Mass Emissions and Fuel Economy Calculation

The mass emissions for the FTP results were calculated in accordance with the applicable Federal Register. The Federal Short Cycle test was calculated in the same manner except that a distance of 0.7536 miles was used to determine grams per mile.

The fuel economy results were calculated using the carbon balance method. The equation used was:

$$\text{mpg} = \frac{2421}{0.866\ \text{HC}_{\text{mass}} + 0.429\ \text{CO}_{\text{mass}} + 0.273\ \text{CO}_{2\ \text{mass}}}$$

In this equation, the mass emissions are in grams per mile.

5.0 TEST RESULTS

The test results for the short test correlation study are provided in the Appendices. Appendix A tabulates the vehicles tested by Cell and provides the ambient conditions present during the two idle tests. The Federal Test Procedure (FTP) and the two Federal Short Cycle Test results are presented in Appendix B. Appendices C and D tabulate data for the two Idle and the two Federal Three-Mode Tests respectively. A composite of all tests for each Cell is provided in Appendix E. The composite results contain the means and standard deviations for the various model years within a Cell along with the means and standard deviations of the FTP results for vehicles which passed and failed the DEQ inspection.

The DEQ standards for determining Pass/Fail status are as follows:

- Factory-installed motor vehicle pollution control systems must not be disconnected, plugged or otherwise made inoperative.
- No visible emission during the idle test from either the vehicle's exhaust system or the engine crankcase.
- The idle speed must not exceed the manufacturer's idle speed specification by over 200 rpm.
- The hydrocarbon (HC) idle emission for 1975-77 vehicles must not exceed 225 ppm for vehicles with catalysts and 300 ppm for vehicles without catalysts. (The actual standards are 100 ppm less than the numbers specified; however, a tolerance for enforcement is applied).
- The carbon monoxide idle emission standards and enforcement tolerances for the vehicles tested in the program are as specified in Table 5.0-1.

Table 5.0-1

DEQ STANDARDS & ENFORCEMENT TOLERANCES FOR ELEMENT I VEHICLES

Carbon Monoxide	Standard %	Enforcement Tolerance
American Motors Corporation		
1975-77 Non-catalyst	1.5	0.5
1975-77 Catalyst equipped	0.5	0.5
Audi		
1975-77	1.5	0.5
Chrysler Corporation		
1975-77 Non-catalyst	1.0	0.5
1975-77 Catalyst equipped	0.5	0.5
Dodge Colt, Plymouth Arrow	3.0	0.5
Datsun		
1975-77	2.0	0.5
Ford Motor Company		
1975-77 Non-catalyst	1.0	0.5
1975-77 Catalyst equipped	0.5	0.5
General Motors Corporation		
1975-77 Non-catalyst	1.0	0.5
1975-77 Catalyst equipped	0.5	0.5
Honda		
1975-77 CVCC	1.0	0.5
1975-77 except CVCC	1.5	0.5
Toyota		
1975-77 Catalyst equipped	0.5	0.5
1975-77 4 cylinder, non-catalyst	2.0	0.5
Volkswagen		
1975 Rabbit, Dasher, Scirocco	0.5	0.5
1975 All Others	2.5	0.5
1976 Rabbit, Scirocco	0.5	0.5
1976-77 All others	2.5	0.5
1977 Rabbit, Scirocco	2.0	0.5
Volvo		
1975-77 4 cylinder	2.0	0.5

Appendix E also provides the quantity and percent of vehicles which meet the Federal Standards. The standards used were as follows:

		1975, 1976	1977
HC	:	1.5 gpm	1.5 gpm
CO	:	15.0 gpm	15.0 gpm
NO_x	:	3.1 gpm	2.0 gpm

In evaluating the data it should be noted that the State of Oregon registration renewal requirement is biennial. Since the test program is keyed to registrations, each vehicle is tested every other year. During 1978, for example, very few 1975 and 1977 vehicles were required to be inspected.

It should also be noted that the sequencing of tests varied slightly with the 257 vehicles used for both the Element I and II programs. (ref. paragraph 4.0). These vehicles were subjected to a Highway Fuel Economy Test (HFET) and a Hot Start FTP after the Federal Test Procedure test and prior to the start of the two Federal short tests. The EPA numbering series for these vehicles are 54xxx, 64xxx, 74xxx, 56xxx, 66xxx, and 76xxx.

6.0 APPENDICES

Appendix A - Listing of Vehicles

Appendix B - FTP and Federal Short Cycle Test Results

Appendix C - Idle Test Results

Appendix D - Federal Three-Mode Test Results

Appendix E - Composite of Test Results by Cell

APPENDIX A - LISTING OF VEHICLES

Legend

EPA NO – 1st Digit Represents Vehicle Model Year
MAKE – Vehicle Make Code (see next page)
MODL – Vehicle Model Code (see next page)
CID – Engine Displacement in Cubic Inches
C – No. of Cylinders
T – Transmission Type (1 = Manuel, 2 = Auto)
F – Fuel Metering System (1 = 1-barrel carb, 2 = 2-barrel carb, 3 = 4-barrel carb, 4 = CVCC(Honda) 5 = Fuel Injection)
EI – Electronic Ignition (1 = Yes, 2 = No)
CA – Canister Evap. Control (1 = Yes, 2 = No)
CE – Crankcase Evap. Control (1 = Yes, 2 = No)
AC – Air Conditioning (1 = Yes, 2 = No)
EM – Engine Modification (1 = Yes, 2 = No)
AS – AIR System (1 = Yes, 2 = No)
CC – Catalytic System (1 = Yes, 2 = No)
ES – EGR System (1 = Yes, 2 = No)
TR – Thermal Reactor (1 = Yes, 2 = No)
TAG – 1st Letter of License (V = Vanity Plate)
ODOM – Odometer Reading
F – Temp. in °F During DEQ Idle Test
RH – Percent Relative Humidity During DEQ Idle Test
BARO – Barometric Pressure in Inches of Hg
QT – Queuing Time Prior to DEQ Idle Test
DB – Dry Bulb Temp. in °F During HTS Idle Test
WB – Wet Bulb Temp. in °F During HTS Idle Test

MAKE CODES

CODE	MANUFACTURER	CODE	MANUFACTURER	CODE	MANUFACTURER
010	AMC	041	Buick	260	Honda
021	Chrysler	042	Cadillac	380	Datsun
022	Dodge	043	Chevrolet	570	Toyota
023	Plymouth	044	Oldsmobile	590	Volkswagen
031	Ford	045	Pontiac	600	Volvo
033	Mercury			640	Audi

MODEL CODES

CODE	NAME	CODE	NAME	CODE	NAME
107	Gremlin	391	Marquis	478	Impala
108	Hornet	392	Monarch	481	Laguna
112	Pacer	394	Montego	482	Malibu
210	Cordoba	399	XR-7	483	Monte Carlo
224	Colt	402	Ventura	484	Monza
225	Coronet	414	Apollo	486	Nova
227	Dart	417	Century	488	Vega
254	Aspen	418	Electra	489	Chevette
261	Civic	419	Estate Wagon	494	Cutlass Supreme
262	Civic CVCC	424	Calais	498	LeMans
263	Civic CVCC Wagon	425	Deville	570	Corolla
272	Arrow	429	Seville	571	Corolla Wagon
275	Fury	436	Belair	572	Celica
285	Valiant	439	Camaro	573	Corona
287	Volare	443	Custom Cruiser	590	Beetle
313	Ford Wagon	444	Cutlass	591	Rabbit
316	Elite	446	Delta 88	592	Dasher
331	Bobcat	448	Ninety Eight	593	Dasher Wagon
334	Comet	449	Omega	594	Scirocco
336	Cougar	452	Bonneville	600	240
342	Granada	453	Catalina	601	245 Wagon
343	Gran Torino	455	Firebird	640	Fox
345	LTD	456	Grand AM	641	Fox Wagon
347	Maverick	457	Grand Prix		
348	Mustang	459	Grand Ville		
349	Pinto	462	LeSabre		
371	Ranch Wagon	464	Regal		
372	Thunderbird	465	Riviera		
373	Torino	467	Skylark		
380	B210	472	Caprice		

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                                  APPENDIX A - LISTING OF VEHICLES
CELL NO=01     MODEL YR(S)=1975,1976
   MAKE=AMC                          MODEL=GREMLIN HORNET PACER

                                                                                    -------DEQ DATA-------   ------HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE   DB WB RH BARO

50062  A5C667A340670  010  112  258 6 2 1  1  1  2  2  2  1  2  1  2   M  031290 780508 72 47 29.95 05 780508 81 64 38 29.98
50094  A5A667A298521  010  112  258 6 2 1  1  1  2  2  2  1  2  1  2   M  032049 780531 78 21 30.00 45 780531 82 64 36 29.98
50148  A5A465E139054  010  107  232 6 2 1  1  1  2  1  2  1  2  1  2   L  028042 780621 68 53 29.95 05 780621 77 63 45 29.92
50149  A5A087A315675  010  108  258 6 2 1  1  1  2  2  2  1  2  1  2   G  019774 780622 62 70 30.00 20 780622 74 61 47 30.05
50154  A5A087A264214  010  108  258 6 2 1  1  1  2  2  2  1  2  1  2   C  030109 780626 72 50 30.10 05 780626 83 69 53 30.00

50197  A5A667A295446  010  112  258 6 2 1  1  1  2  1  2  1  2  1  2   J  044737 780713 69 61 30.05 15 780713 81 69 48 30.02
50209  A5C667E195212  010  112  232 6 2 1  1  1  2  2  2  1  2  1  2   B  029997 780719 72 61 30.05 00 780719 87 74 54 29.99
50257  A5C667A260174  010  112  232 6 2 1  1  1  2  2  2  1  2  1  2   E  072840 780811 74 50 29.85 05 780811 83 67 48 29.82
50258  A5A057E169235  010  108  232 6 2 1  1  1  2  2  2  1  2  1  2   K  016700 780811 74 50 29.85 02 780811 85 66 35 29.82
50301  A5A667A189678  010  112  258 6 2 1  1  1  2  1  2  1  2  1  2   C  057373 780901 74 57 29.80 00 780901 80 69 57 29.80

50315  A5A667E291088  010  112  232 6 2 1  1  1  2  2  2  1  2  1  2   F  045428 780907 56 82 29.75 15 780907 78 67 56 29.72
50340  A5A067E169316  010  108  232 6 2 1  1  1  2  1  2  1  2  1  2   G  029850 780921 64 51 30.00 01 780921 70 59 51 29.97
50370  A5A667E334295  010  112  232 6 2 1  1  1  2  1  2  1  2  1  2   J  025435 781005 65 44 29.99 10 781005 74 59 39 29.97
50381  A5A667A276707  010  112  258 6 2 1  1  1  2  2  2  1  2  1  2   E  036396 781011 66 46 30.30 20 781011 75 60 40 30.33
50426  A5A087A306500  010  108  258 6 2 1  1  1  2  2  2  1  2  1  2   F  042685 781030 55 67 30.40 15 781030 69 57 47 30.36

50445  A5A057E219083  010  108  232 6 2 1  1  1  2  2  2  1  2  1  2   L  024515 781106 60 44 30.05 05 781106 69 55 39 30.24
50447  A5A057A275816  010  108  258 6 2 1  1  1  2  1  2  1  2  1  2   F  036276 781106 57 53 30.05 05 781106 69 56 43 30.18
50469  A5A087A262316  010  108  258 6 2 1  1  1  2  2  2  1  2  1  2   F  056830 781130 52 79 29.38 05 781130 60 58 61 29.08
50524  A5A087A154164  010  108  256 6 2 1  1  1  2  1  2  1  2  1  2   M  046191 781214 36 70 30.10 25 781214 65 51 35 30.20
54021  A5C667E276332  010  112  232 6 2 1  1  1  2  2  2  2  2  1  2   V  028012 771216 45 99 29.75 10 771216 66 65 95 30.36

50008  A5A667A333914  010  112  232 6 2 1  1  1  2  1  2  2  2  1  2   V  035565 780116 48 94 29.30 15 780116 50 49 93 29.36
60001  A6C667E265222  010  112  232 6 1 1  1  1  2  2  2  1  2  1  2   A  037809 771115 53 79 30.02 18 771115 60 54 44 30.42
60102  A6C667A195654  010  112  258 6 2 1  1  1  2  2  2  1  2  1  2   C  039930 780509 58 60 29.90 05 780509 65 56 56 30.09
60220  A6A067E323654  010  108  232 6 2 1  1  1  2  2  2  1  2  1  2   D  024742 780705 64 58 30.20 15 780705 83 69 45 30.10
60269  A6A667C263059  010  112  258 6 2 2  1  1  2  1  2  1  2  1  2   B  013011 780802 73 61 30.01 15 780802 87 75 63 29.96

60305  A6A667A116985  010  112  258 6 2 1  1  1  2  1  2  1  2  1  2   M  023435 780809 67 35 29.95 10 780809 80 65 44 29.97
60416  A6C667A332736  010  112  258 6 2 1  1  1  2  1  2  1  2  1  2   E  040045 780925 72 61 29.90 20 780925 84 72 61 29.88
60440  A6A087A159642  010  108  258 6 2 1  1  1  2  2  2  1  2  1  2   M  025347 781003 63 56 30.10 05 781003 73 61 50 30.12
60466  A6C667A152037  010  112  258 6 2 1  1  1  2  1  2  1  2  1  2   K  039235 781011 60 47 30.30 15 781011 77 61 39 30.35
60500  A6A465E138570  010  107  258 6 2 1  1  1  2  2  2  1  2  1  2   C  022190 781018 70 53 30.05 00 781018 80 63 38 30.02

60514  A6A067A747992  010  108  258 6 2 1  1  1  2  2  2  1  2  1  2   J  020909 781021 54 57 30.25 10 781021 72 57 38 30.20
60541  A6A087A262653  010  108  258 6 2 1  1  1  2  2  2  1  2  1  2   G  015508 781031 54 49 30.25 30 781031 70 54 33 30.18
60653  A6A057E159342  010  108  232 6 2 1  1  1  2  1  2  1  2  1  2   K  037897 781214 46 86 30.25 25 781214 71 59 48 30.20
64004  A6A087A240059  010  108  258 6 2 1  1  1  2  1  2  1  2  1  2   A  007406 771109 36 60 30.00 04 771109 71 68 90 30.08
64019  A6A667A330247  010  112  258 6 2 1  1  1  2  1  2  2  2  1  2   V  025635 771214 53 99 29.50 04 771214 71 68 80 29.34

66010  A6A087A152578  010  108  258 6 2 1  1  1  2  2  2  2  2  1  2   A  025848 771208 39 84 29.90 19 771208 77 75 91 30.04
66014  A6A087E210549  010  108  232 6 2 1  1  1  2  1  2  2  2  1  2   A  025879 771228 36 73 29.90 15 771228 67 63 80 29.90
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                                  APPENDIX A - LISTING OF VEHICLES
CELL NO=03     MODEL YR(S)=1975,1976,1977
   MAKE=AUDI VW                      MODEL=FOX DASHER

                                                                                    -------DEQ DATA-------   ------HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE   DB WB RH BARO

50063  8452047612     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   L  062881 780508 68 56 30.00 10 780508 83 65 34 30.00
50078  8452047093     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   C  050082 780612 69 58 30.00 10 780612 73 62 53 30.03
50296  3352901778     640  641  097 4 1 5  2  1  2  2  2  2  2  1  2   F  035368 780831 66 67 29.90 15 780831 74 64 58 29.81
50320  8552003749     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   E  022165 780912 62 61 30.15 05 780912 73 62 53 30.08
50324  3352900710     640  641  097 4 1 5  2  1  2  2  2  2  2  1  2   D  076083 780913 57 80 29.97 05 780913 73 64 61 29.97

50353  3352901850     640  641  097 4 1 5  2  1  2  1  2  2  2  1  2   F  040360 780928 68 50 30.20 40 780928 77 64 48 30.20
50377  8452019852     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   B  036632 781010 64 59 30.15 15 781010 75 62 47 30.29
50404  3352069978     590  592  097 4 1 5  2  1  2  1  2  2  2  1  2   K  038450 781023 62 47 30.20 15 781023 71 56 36 30.15
50419  8452046595     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   B  046671 781026 54 59 30.10 05 781026 67 55 45 30.04
50423  8452018940     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   B  021596 781028 51 68 30.40 30 781028 67 56 49 30.38

50469  3252214287     590  592  097 4 1 5  2  1  2  2  2  2  2  1  2   H  038801 781115 42 59 30.08 20 781115 66 52 36 30.02
50472  8452065891     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   E  020869 781117 68 57 30.30 10 781117 69 57 47 30.24
56007  8452019263     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   A  041739 771212 49 56 29.53 18 771212 67 65 90 29.80
56010  8552040275     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   A  019490 771220 44 57 30.20 20 771220 74 72 91 29.76
56036  8552019739     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   B  041837 780823 62 80 29.80 15 780823 82 68 48 29.88

60141  3262151793     590  592  097 4 1 5  2  1  2  2  2  2  2  1  2   G  024591 780531 74 27 30.10 15 780531 82 64 36 30.04
60173  3362181564     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   H  024361 780609 68 54 30.00 20 780609 76 61 41 29.97
60248  3262135659     590  592  097 4 1 5  2  1  2  2  2  2  2  1  2   J  017769 780719 26 54 30.00 15 780719 86 71 47 29.96
60260  3362903679     640  641  097 4 1 5  2  1  2  2  2  2  2  1  2   K  012660 780726 76 73 30.00 20 780726 82 72 61 30.00
60293  3362904194     640  641  097 4 1 5  2  1  2  2  2  2  2  1  2   E  085316 780803 76 49 30.25 15 780803 85 72 53 30.10

60295  3262133894     590  592  097 4 1 5  2  1  2  2  2  2  2  1  2   E  037043 780804 72 55 30.19 15 780804 85 71 56 30.14
60367  3362047533     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   M  038390 781108 52 60 30.30 10 781108 65 53 44 30.19
60370  3362175093     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   F  030454 781109 55 50 30.50 05 781109 70 56 40 30.25
60578  8462018609     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   M  052356 781110 50 20 30.30 10 781110 72 52 21 30.27
64057  8462048115     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   B  025528 781212 43 68 30.30 20 781212 73 58 34 30.48

66015  3362064284     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   A  026287 771228 38 50 29.75 02 771228 70 68 90 29.84
66017  3362047733     590  593  097 4 1 5  2  1  2  1  2  2  2  1  2   A  028251 780105 46 58 29.40 15 780105 69 67 90 29.43
70027  3372074146     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   M  012613 780214 48 90 29.90 10 780214 57 52 71 29.98
70032  3372000620     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   L  015298 780227 50 80 29.90 25 780227 60 57 83 29.92
70067  3272013686     590  592  097 4 1 5  2  1  2  2  2  2  2  1  2   C  027890 780503 61 50 30.25 10 780503 66 52 36 30.26

70105  3272170214     590  592  097 4 1 5  2  1  2  2  2  2  2  1  2   M  007648 780526 60 48 30.25 40 780526 76 60 35 30.26
70205  3372901790     640  641  097 4 1 5  2  1  2  2  2  2  2  1  2   J  016737 780718 66 68 30.05 05 780718 77 67 59 30.06
70251  3272068228     590  592  097 4 1 5  2  1  2  1  2  2  2  1  2   M  023268 780804 71 54 30.20 10 780804 82 70 56 30.18
70478  3272156262     590  592  097 4 1 5  2  1  2  2  2  2  2  1  2   K  020448 781030 50 70 30.40 10 781030 65 55 52 30.34
70568  3372000597     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   E  017517 781130 53 77 29.69 03 781130 63 51 42 29.69

74011  3372069842     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   A  012574 771212 48 53 29.80 00 771212 73 70 86 29.88
76007  3372074412     590  593  097 4 1 5  2  1  2  2  2  2  2  1  2   B  012199 780111 46 56 29.80 20 780111 62 61 94 29.89
76031  8472048057     640  640  097 4 1 5  2  1  2  2  2  2  2  1  2   A  018177 780306 56 68 29.80 05 780306 63 61 89 30.26
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APPENDIX A - LISTING OF VEHICLES

CELL NO=04   MODEL YR(S)=1975,1976,1977

MAKE=HONDA   MODEL=CIVIC

																			------DEQ DATA------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50001	SBC3317660	260	261	076	4	1	2	2	1	2	2	2	1	2	2	2	E	027081	780117	50	87	29.80	20	780117	62	54	59	29.79
50018	SBC3334821	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	J	025375	780225	47	99	30.00	10	780225	58	55	83	29.97
50025	SBC3350043	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	J	011729	780313	49	76	30.10	10	780313	65	60	75	30.15
50026	SBC3349605	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	J	030312	780315	56	46	30.20	05	780315	70	57	44	30.26
50034	SBC3349748	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	J	018026	780321	60	65	29.55	00	780321	67	58	58	29.65
50037	SBC3347177	260	261	076	4	1	2	2	1	2	2	2	1	2	2	2	J	018500	780323	52	55	29.65	00	780323	70	61	59	29.76
50144	SBC3320441	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	F	062348	780620	60	70	30.00	10	780620	75	64	54	30.10
50157	SBA3360678	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	L	021519	780626	74	47	30.05	05	780626	83	69	47	29.96
50193	SBC3333550	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	G	032170	780710	68	53	30.10	05	780710	77	64	48	30.00
50279	SBC3350157	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	G	036970	780823	62	79	29.75	30	780823	73	65	65	29.66
50297	SBC3365955	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	L	042829	780901	60	75	29.90	25	780901	74	64	58	29.62
50300	SBC3358139	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	E	034173	780901	70	75	30.00	10	780901	72	62	57	29.87
50303	SBA3361554	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	M	036937	780905	66	61	29.80	20	780905	77	64	48	29.80
50403	SBA3361736	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	M	056255	781023	57	54	30.25	05	781023	70	55	36	30.16
50408	SBA3311106	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	D	062904	781024	60	60	30.10	00	781024	76	59	34	30.04
50414	SBC3342331	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	H	029722	781025	59	44	30.05	10	781025	67	52	33	29.97
50431	SBA3342333	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	L	025438	781101	57	46	30.24	20	781101	74	57	33	30.18
50464	SBC3361606	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	L	060881	781128	53	75	30.10	03	781128	65	55	70	30.00
50487	SBC3352705	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	G	037959	781130	53	77	29.90	10	781130	65	57	61	29.80
50542	SBA331113	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	G	026131	790105	32	34	30.20	05	790105	68	49	20	30.23
54034	SBC3350311	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	J	043498	780328	55	86	29.90	40	780328	72	63	61	29.94
56011	SBC3307131	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	D	014476	771229	38	90	29.70	25	771229	72	65	86	29.82
60027	SBC4044034	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	F	019764	780225	46	99	29.90	06	780225	60	56	78	29.92
60043	SBC4006037	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	A	007160	780105	46	95	29.25	15	780105	70	69	95	29.46
60049	SBC4045405	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	F	022612	780310	53	63	29.90	20	780310	65	60	75	29.96
60052	SBA4037530	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	L	021540	780313	49	75	30.00	15	780313	62	56	79	30.26
60054	SBC4035250	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	C	041252	780314	50	64	30.30	05	780314	65			30.34
60226	SBC4045642	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	H	013466	780710	64	60	30.20	00	780710	72	60	49	30.10
60249	SBC4032571	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	U	034730	780719	79	60	30.00	15	780719	87	73	51	29.96
60256	SBA4065373	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	G	028162	780804	72	54	30.17	15	780804	86	72	56	30.14
60299	SBC4023655	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	B	044045	780807	88	35	29.55	15	780807	94	76	43	29.99
60303	SBC4043940	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	U	036397	780808	76	47	30.00	15	780808	80	69	57	30.00
60432	SBC4043552	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	D	034807	780929	70	53	30.04	10	780929	80	67	50	30.02
60565	SBA4117656	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	M	020666	781108	54	56	30.20	05	781108	66	54	44	30.18
64021	SBC4103057	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	K	007751	780314	49	77	30.30	20	780314	67	62	75	30.38
66037	SBC4104945	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	K	012676	780414	52	83	29.65	00	780414	70	57	44	30.06
70034	SBC5012696	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	A	025885	780302	46	47	29.60	10	780302	62	56	69	29.69
70036	SBC5020162	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	A	014569	780306	56	68	29.80	15	780306	63	58	74	30.00
70056	SBC4092354	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	A	016036	780308	54	85	30.00	00	780308	65	61	80	30.22
70072	SBA5106541	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	M	004816	780508	56	88	29.80	05	780508	69	59	55	29.93
70103	SBC5011536	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	M	008016	780623	60	65	30.00	15	780623	66	58	54	30.04
70175	SBC5150201	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	K	013193	780628	84	46	29.90	05	780628	89	76	54	29.86
74005	SBC5016731	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	A	008294	771207	40	63	29.90	08	771207	75	72	86	30.25
74019	SBC5011557	200	261	076	4	1	2	2	1	2	2	2	1	2	2	2	B	012284	780314	49	77	30.30	00	780314				30.36

APPENDIX A - LISTING OF VEHICLES

CELL NO=05   MODEL YR(S)=1975,1976,1977

MAKE=HONDA   MODEL=CIVIC CVCC

																			------DEQ DATA------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50056	SGE1007040	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	B	037594	780503	62	52	30.15	20	780503	67	53	37	30.24
50126	SGC1005606	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	B	049582	780614	64	63	30.10	15	780614	69	60	59	30.08
50211	SGE1042662	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	L	020870	780719	76	46	30.00	10	780719	86	71	46	29.96
50217	WBA1007402	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	J	035664	780724	82	47	29.90	20	780724	88	74	51	29.89
50240	SGE1016524	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	D	065614	780807	82	43	30.00	15	780807	90	73	45	29.96
50249	SGC1012043	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	E	051593	780809	60	45	30.00	15	780809	84	70	49	29.96
50269	SGE1024067	200	262	091	4	1	4	1	1	2	2	2	2	2	2	2	F	034879	780816	67	62	30.20	15	780818	75	63	51	30.18
50282	SGE1025407	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	E	031962	780824	64	70	29.90	20	780824	77	64	46	30.07
50306	SGA1004010	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	C	050880	780905	64	64	29.85	25	780905	74	62	50	29.84
50321	SGA1025022	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	F	036901	780912	66	54	30.10	05	780912	77	64	48	30.04
50326	WBA1000124	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	F	032166	780915	60	44	30.15	15	780915	82	64	36	30.24
50329	SGE1027026	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	K	027183	780918	61	55	30.20	10	780918	75	60	40	30.20
50375	SGE1043571	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	K	032119	781010	65	59	30.10	15	781010	73	61	50	30.28
50395	SGC1004937	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	A	050633	781017	63	65	30.20	00	781017	71	61	56	30.14
50397	SGC1007043	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	A	048637	781018	72	51	30.10	10	781018	83	64	34	30.04
50536	SGC1043120	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	L	045469	790103	29	36	30.15	20	790103	63	50	37	30.16
50539	SGC1035210	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	J	033607	790104	33	45	30.15	20	790104	80	60	29	30.38
54026	SGC1003530	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	B	036496	780106	46	98	30.00	15	780106	73	71	91	29.76
54033	SGA1008909	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	L	004597	780113	44	95	29.70	25	780113	65	62	85	29.60
60105	WBA2020049	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	G	023507	780510	56	70	29.85	05	780510	65	56	56	29.92
60106	SGC2030345	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	E	020436	780511	60	76	30.05	10	780511	61	52	54	30.27
60121	WBA2025607	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	G	028214	780517	58	74	30.15	10	780517	76	62	39	30.21
60167	WBA2011390	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	H	062705	780616	65	55	30.15	15	780616	75	65	46	30.11
60195	WBA2005959	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	D	044873	780620	60	70	30.00	20	780620	65	61	63	30.09
60244	WBA2028069	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	L	014418	780714	64	63	30.20	15	780714	71	60	52	30.16
60405	SGE2049177	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	M	021108	780921	60	72	30.10	00	780921	70	63	68	30.06
60510	SGE2020902	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	C	022596	781020	62	70	30.10	10	781020	71	59	48	30.06
60521	SGC2037721	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	F	026208	781025	58	44	30.10	15	781025	72	54	28	29.97
60542	SGC2005210	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	A	033959	781030	57	48	30.25	10	781030	73	56	32	30.22
60561	WBA2000100	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	M	039966	781107	58	52	30.15	10	781107	74	60	43	30.13
60580	SGC2000600	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	M	025578	781110	50	20	30.30	10	781110	73	68	78	30.28
60691	WBA2003602	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	M	069008	781227	36	63	30.08	60	781227	58	49	51	30.05
64016	SGC2004749	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	A	026245	771206	38	83	30.10	05	771208	72	70	91	30.21
64059	SGC2037245	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	E	033484	781213	40	58	30.50	00	781213	66	52	36	30.30
66009	SGC2004373	260	262	091	4	1	4	2	1	2	2	2	2	2	2	2	A	058247	771207	40	77	30.05	17	771207	66	60	99	30.22
70094	WBA3000109	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	M	013517	780523	54	63	29.90	15	780523	73	59	42	29.92
70125	WBA3000097	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	M	022942	780612	66	65	30.00	05	780612	74	65	61	30.00
70468	WBA3019145	260	263	091	4	1	4	2	1	2	2	2	2	2	2	2	J	014218	781026	49	62	30.15	05	781026	68	54	38	30.09
70642	SGE3501740	200	262	091	4	1	4	2	1	2	2	2	2	2	2	2	A	027234	790105	34	33	30.20	25	790105	67	51	29	30.24
70069	WBA3001332	200	263	091	4	1	4	2	1	2	2	2	2	2	2	2	A	027243	790117	36	52	30.00	25	790117	69	52	28	30.22

APPENDIX A - LISTING OF VEHICLES

CELL NO=06 MODEL YR(S)=1976,1977

MAKE=DODGE PLYMOUTH MODEL=COLT ARROW

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
60031	6M21K65124628	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	K	015841	780302	45	50	29.50	00	780302	56	54	88	29.79
60040	6M41K65109398	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	K	024034	780308	50	99	29.95	10	780308	64	61	84	30.26
60138	7L24K67100624	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	E	022929	780530	66	26	30.15	20	780530	81	63	38	30.17
60142	7P24K6800236	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	D	035013	780531	78	21	30.00	45	780531	85	65	38	30.00
60164	7H24U69402199	023	272	122	4	1	2	2	1	2	2	2	1	2	1	2	A	018035	780607	70	52	30.20	20	780607	70	52	51	30.20
60236	6S23K67501673	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	F	027007	780712	70	56	30.00	15	780712	83	69	52	29.98
60262	7H24K67600605	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	H	015000	780726	68	57	30.10	00	780726	78	64	46	30.04
60266	7H24U68400360	023	272	122	4	1	2	2	1	2	2	2	1	2	1	2	J	030226	780728	70	60	30.05	10	780728	82	70	55	30.01
60268	7H24K67401923	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	M	021779	780802	74	61	30.02	10	780802	90	72	54	29.96
60311	6M21K65123099	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	H	008414	780816	66	75	30.05	15	780816	75	65	58	30.02
60330	6M21K65124751	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	B	022341	780823	62	79	29.75	20	780823	76	66	59	29.84
60368	6H45K65112845	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	C	019752	780907	62	68	29.95	10	780907	78	65	49	29.92
60391	7P24U68701092	023	272	122	4	1	2	2	1	2	2	2	1	2	1	2	J	023894	780914	63	54	30.20	00	780914	73	61	50	30.23
60396	7H24K67400495	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	B	020795	780921	62	53	30.05	00	780921	74	61	47	30.00
60420	6M21K65121567	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	H	022864	780926	70	53	29.90	20	780926	82	68	48	29.92
60463	7P24U68700304	023	272	122	4	1	2	2	1	2	2	2	1	2	1	2	C	017828	781010	66	48	30.15	15	781010	74	61	47	30.26
60508	6M21K65122130	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	H	022265	781019	62	68	30.05	00	781019	73	62	64	30.01
60527	6P23U67003215	022	224	122	4	1	2	2	1	2	2	2	1	2	1	2	A	038812	781027	54	72	30.20	15	781027	70	58	48	30.12
60528	7P24U69701794	023	272	122	4	1	2	2	1	2	2	2	1	2	1	2	L	010123	781027	54	72	30.20	10	781027	70	59	51	30.12
60560	7L24K67100709	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	E	036777	781102	60	55	30.20	05	781102	71	61	56	30.14
60636	6M21K69100030	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	M	035831	781207	40	62	30.25	05	781207	65	52	39	30.45
66011	6H45U67000677	022	224	122	4	1	2	2	1	2	2	2	1	2	1	2	A	016434	771213	53	99	29.35	10	771213	66	65	95	29.68
66028	6M21K65127141	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	K	013907	780309	51	68	30.15	15	780309	70	64	72	30.24
70082	6H21K71403420	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	G	007453	780515	54	82	30.15	09	780515	72	59	45	30.29
70171	7L24K77109250	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	F	012358	780627	82	46	29.90	25	780627	64	72	56	29.86
70246	7L24K77100674	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	F	012733	780803	77	45	30.10	00	780803	69	60	59	30.20
70401	7P24U78703795	023	272	122	4	1	2	2	1	2	2	2	1	2	1	2	G	013095	781004	71	45	30.05	05	781004	82	66	42	30.06
70459	6M21K71109332	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	J	019359	781024	60	60	30.10	10	781024	70	57	44	30.02
70530	7L24K77107280	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	C	014181	781115	42	75	30.07	10	781115	66	52	36	30.02
70533	6H41K72700139	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	D	015847	781116	54	75	30.20	10	781116	71	60	52	30.13
70565	6M21K73100405	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	C	031031	781129	58	80	30.10	10	781129	65	58	66	30.03
70600	6M21K71105515	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	G	014012	781212	42	69	30.50	12	781212	72	57	42	30.46
70601	7H24U78405327	023	272	122	4	1	2	2	1	2	2	2	1	2	1	2	E	027173	781211	44	47	30.50	13	781211	76	58	31	30.38
70612	7L24K77100682	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	D	016876	781219	36	68	30.10	30	781219	52	47	69	30.20
70618	6H21K71401609	022	224	098	4	1	2	2	1	2	2	2	1	2	1	2	D	025118	781220	38	74	30.15	15	781220	67	56	49	30.32
70637	7P24U79703579	023	272	122	4	1	2	2	1	2	2	2	1	2	1	2	B	011801	790104	30	40	30.05	10	790104	64	51	38	30.16
70649	7L24K77100672	023	272	098	4	1	2	2	1	2	2	2	1	2	1	2	E	020845	790106	35	31	30.20	10	790106	55	42	28	30.14

APPENDIX A - LISTING OF VEHICLES

CELL NO=07 MODEL YR(S)=1975,1976

MAKE=DATSUN MODEL=B210

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50002	HLB210544475	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	034158	780117	52	82	29.70	15	780117	60	53	63	29.80
50165	HLB210575520	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	H	016486	780628	82	46	29.85	15	780628	92	76	48	29.85
50210	HLB210066598	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	E	047879	780719	72	58	30.00	15	780719	80	69	57	30.04
50235	HLB210580599	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	E	058182	780804	66	55	30.20	10	780804	76	66	56	30.19
50244	HLB210554249	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	F	026482	780808	94	36	30.00	15	780808	92	76	48	29.88
50271	HLB210091310	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	E	030649	780821	66	72	30.00	05	780821	72	64	65	30.00
50334	HLB210620913	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	K	035572	780919	60	58	30.30	05	780919	78	62	39	30.24
50343	HLB210611406	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	H	051550	780922	63	67	30.10	00	780922	75	64	54	30.06
50392	HLB210574605	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	D	024844	781014	73	29	30.15	05	781014	71	55	33	30.09
50398	HLB210621400	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	038309	781019	68	55	30.00	15	781019	79	64	43	29.94
50483	HLB210597857	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	G	028912	781128	51	71	30.23	15	781128	61	54	63	30.16
50485	HLB210093386	380	380	085	4	1	2	1	1	2	2	2	1	2	1	2	G	052339	781129	55	85	30.00	02	781129	65	60	75	29.96
54019	HLB210035421	380	380	085	4	1	2	2	1	2	1	2	1	2	1	2	L	032276	771214	50	59	29.50	09	771214	70	68	90	29.53
54020	HLB210074213	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	019058	771214	52	95	29.45	03	771214	65	60	85	29.40
54031	HLB210331752	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	B	031929	780112	48	91	30.10	10	780112	69	65	81	30.02
54043	HLB210611478	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	H	029202	781220	39	70	30.15	60	781220	70	52	25	30.36
56025	HLB210543333	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	B	039692	780221	49	86	30.30	05	780221	64	59	74	30.34
60007	HLB210177023	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	014418	780120	50	95	30.00	20	780120	61	56	73	30.05
60017	HLB210903750	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	007112	780209	48	80	29.60	20	780209	57	52	71	29.76
60023	HLB210843774	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	017340	780218	47	96	30.20	00	780218	62	58	84	30.34
60037	HLB210748908	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	024397	780303	44	73	29.70	20	780303	58	55	83	29.78
60039	HLB210831296	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	009385	780307	52	99	29.80	10	780307	64	59	74	30.04
60044	HLB210904934	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	036425	780308	51	55	30.00	05	780308	61	58	84	30.26
60059	HLB210900880	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	302230	780320	62	55	29.90	15	780320	65	54	48	29.80
60060	HLB210831781	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	022500	780321	59	70	29.75	15	780321	70	60	55	29.84
60065	HLB210834683	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	024262	780327	60	80	30.00	10	780327	72	63	61	30.80
60067	HLB210733216	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	B	032649	780329	53	85	29.76	15	780329	64	58	70	29.88
60070	HLB210754982	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	036840	780330	52	91	29.95	15	780330	63	58	74	30.05
60071	HLB210734504	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	B	027959	780330	55	70	29.95	15	780330	65	57	61	30.01
60196	HLB210718405	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	062630	780620	65	70	30.00	10	780620	70	62	64	30.10
60203	HLB210720746	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	036280	780621	60	65	30.00	20	780621	81	65	42	29.95
60204	HLB210773830	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	H	015024	780622	68	53	29.95	05	780622	77	64	48	29.92
60251	HLB210852622	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	J	027370	780720	80	50	30.00	10	780720	92	72	37	29.98
60256	HLB210716961	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	028180	780724	80	49	29.90	10	780724	90	75	50	29.90
60378	HLB210776591	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	H	042584	780911	59	69	30.10	10	780911	69	60	59	30.10
60385	HLB210712312	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	K	005959	780914	63	65	30.17	05	780914	76	64	51	30.15
60456	HLB210907079	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	D	023283	781007	66	64	30.10	05	781007	69	61	63	30.06
60590	HLB210833308	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	038199	781115	42	75	30.00	10	781115	61	51	49	30.02
60612	HLB210729552	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	M	025119	781128	50	60	30.10	05	781128	64	50	60	30.04
64017	HLB210903059	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	015502	771209	39	92	29.90	10	771209	67	65	90	29.86
64028	HLB210725119	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	030994	780411	69	50	29.83	05	780411	63	52	46	30.32
64034	HLB210903980	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	007588	780106	46	55	30.00	15	780106	74	72	99	29.73
64042	HLB210907182	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	015967	780116	48	87	29.30	25	780116	65	63	99	29.34
66030	HLB210835626	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	020412	780313	63	70	29.90	00	780313	69	59	55	30.12
66031	HLB210835536	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	025412	780404	50	80	30.00	00	780404	58	55	83	29.90

APPENDIX A - LISTING OF VEHICLES

Reproduced from best available copy.

CELL NO=08   MODEL YR(S)=1977

MAKE=DATSUN   MODEL=B210

																			------DEQ DATA------					------HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70099	HLB210930001	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	010919	780525	60	49	29.95	20	780525	72	60	49	30.00
70100	HLB210894075	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	H	007939	780526	60	70	30.00	25	780526	69	60	59	30.04
70101	HLB210188097	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	030550	780530	57	74	29.98	20	780530	72	62	57	30.06
70115	HLB210216094	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	K	015899	780606	71	50	30.00	30	780606	81	67	50	30.00
70127	HLB210206319	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	D	020083	780612	68	53	30.05	20	780612	71	59	48	30.02
70140	HLB210623352	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	008062	780615	61	64	30.25	25	780615	70	56	48	30.24
70166	HLB210661785	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	C	006983	780626	72	54	29.95	25	780626	84	71	52	29.93
70216	HLB210200402	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	E	013294	780721	88	35	29.80	10	780721	94	76	43	29.84
70217	HLB210316609	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	E	020037	780721	72	58	29.95	15	780721	78	70	64	29.94
70229	HLB210337008	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	K	004677	780726	80	52	29.95	00	780726	88	77	60	29.96
70267	HLB210873122	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	M	012971	780811	70	53	29.85	05	780811	80	64	41	29.86
70266	HLB210334969	380	380	085	4	1	2	2	1	2	1	2	1	2	1	2	J	014036	780811	70	53	29.85	05	780811	86	66	39	29.83
70264	HLB210314703	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	D	026007	780816	64	68	30.20	30	780816	80	64	41	30.23
70306	HLB210620819	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	H	016182	780824	68	63	29.90	20	780824	78	64	46	30.07
70313	HLB210310011	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	D	010678	780828	76	46	30.10	05	780828	89	74	48	30.06
70346	HLB210600418	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	K	024713	780913	58	79	30.00	12	780913	75	65	58	29.96
70364	HLB210193197	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	K	020774	780916	61	55	30.20	10	780918	74	60	43	30.19
70376	HLB210167636	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	034308	780920	73	61	29.80	05	780920	84	72	61	29.88
70385	HLB210602005	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	020877	780928	66	56	30.20	15	780928	76	59	34	30.20
70387	HLB210212234	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	G	022689	780929	66	58	30.20	10	780929	79	64	43	30.19
70438	HLB210211057	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	E	014104	781018	72	49	30.10	05	781018	88	60	18	30.04
70457	HLB210594025	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	J	012189	781024	60	60	30.10	15	781024	67	58	58	30.06
70461	HLB210193724	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	M	037229	781024	60	60	30.10	10	781024	70	57	44	30.02
70469	HLB210672697	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	L	016281	781026	55	62	30.15	10	781026	70	55	36	30.10
70485	HLB210229858	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	J	027408	781101	52	58	30.30	10	781101	70	55	36	30.15
70521	HLB210316000	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	E	027870	781113	48	40	30.30	05	781113	66	50	29	30.25
70546	HLB210820649	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	B	025734	781122	45	52	30.10	15	781122	66	53	40	30.05
70563	HLB210681654	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	F	021764	781129	57	80	30.05	05	781129	65	59	70	30.02
70609	HLB210220736	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	G	010569	781216	39	65	29.90	05	781216	52	45	57	29.82
70620	HLB210809458	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	B	018503	781221	44	82	30.25	00	781221	63	55	60	30.26
70622	HLB210850931	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	M	030272	781222	44	82	30.10	20	781222	73	55	42	30.07
70625	HLB210672776	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	F	018036	781227	38	50	30.10	75	781227	71	54	30	30.14
70634	HLB210627536	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	F	020849	790103	29	36	30.15	25	790103	63	50	33	30.16
74012	HLB210926842	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	019353	780105	46	99	29.50	00	780105	75	73	91	30.03
76032	HLB210927114	380	380	085	4	1	2	2	1	2	2	2	1	2	1	2	A	011413	780218	52	99	30.30	10	780218	62	57	74	30.35

APPENDIX A - LISTING OF VEHICLES

CELL NO=09   MODEL YR(S)=1975,1976

MAKE=TOYOTA   MODEL=COROLLA

																			------DEQ DATA------					------HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50008	TE31024193	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	A	026212	780201	42	99	29.75	15	780201	65	60	75	29.72
50022	TE380009165	570	571	097	4	1	2	2	1	2	2	2	1	2	2	2	C	023337	780307	54	99	29.60	10	780302	61	58	64	29.99
50035	TE31008109	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	C	044294	780321	65	70	29.50	00	780321	73	63	57	29.88
50039	TE31059506	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	C	026975	780329	50	86	29.65	20	780329	69	61	63	29.66
50092	TE31043283	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	B	046572	780530	70	31	30.13	25	780530	79	60	31	30.14
50097	TE31047569	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	F	047035	780601	82	22	29.90	05	780601	80	66	47	29.92
50104	TE31049367	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	E	051539	780605	88	33	29.93	20	780605	89	73	45	29.92
50120	TE38017411	570	571	097	4	1	2	2	1	2	2	2	1	2	2	2	F	066902	780612	68	52	30.05	20	780612	68	60	62	30.02
50265	TE31043350	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	D	028162	780815	64	70	30.00	20	780815	80	64	41	29.99
50275	TE31002627	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	C	033869	780822	66	68	30.00	10	780822	73	61	50	29.96
50314	TE31043043	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	D	059906	780906	58	72	29.60	15	780908	77	67	59	29.72
50374	TE310043743	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	G	068264	781009	69	58	30.10	05	781009	76	64	51	30.10
50421	TE31044312	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	G	033495	781027	54	72	30.20	10	781027	69	58	51	30.12
50459	TE37523520	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	G	030435	781109	48	47	30.25	10	781109	70	52	25	30.22
50471	TE31075079	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	J	027980	781116	54	75	30.20	05	781116	72	61	53	30.12
50479	TE38002542	570	571	097	4	1	2	2	1	2	2	2	1	2	2	2	F	067967	781122	45	52	30.10	05	781122	65	57	61	30.05
50522	TE37527597	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	J	036133	781216	40	65	29.95	30	781216	54	45	48	30.16
50550	TE31011526	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	L	041690	790113	38	79	29.85	10	790113	63	50	44	30.14
54017	TE31010490	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	A	042685	771205	40	87	29.90	00	771205	66	65	95	29.70
54030	TE37507923	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	A	026110	780111	46	84	29.80	25	780111	57	56	99	29.68
54038	TE38013359	570	571	097	4	1	2	2	1	2	2	2	1	2	2	2	C	047277	780411	52	64	30.20	05	780411	70	54	33	30.26
56009	TE31021225	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	A	032364	771216	46	56	29.70	35	771216	72	68	82	29.78
60135	TE38020930	570	571	097	4	1	2	2	1	2	2	2	1	2	2	2	K	012737	780524	56	55	29.90	15	780524	66	57	57	29.92
60213	TE37532290	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	K	042896	780630	70	60	30.05	05	780630	79	66	50	30.03
60291	TE31554024	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	E	023444	780803	68	54	30.15	15	780803	79	65	46	30.14
60364	TE51526600	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	J	022156	780906	69	50	29.80	20	780906	80	65	44	29.84
60357	TE31091062	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	M	041079	780914	54	73	30.22	20	780914	73	61	50	30.36
60410	TE31170621	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	H	029537	780921	64	58	30.00	00	780921	73	59	42	29.97
60433	TE38029205	570	571	097	4	1	2	2	1	2	2	2	1	2	2	2	K	035913	780929	70	60	29.95	10	780929	84	68	43	29.94
60439	TE38049819	570	571	097	4	1	2	2	1	2	2	2	1	2	2	2	J	026021	781003	68	53	30.15	05	781003	81	65	41	30.08
60457	TE31151139	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	J	020489	781007	66	64	30.10	00	781007	71	62	60	30.07
60537	TE51529658	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	H	025129	781031	66	51	30.30	15	781031	72	56	34	30.21
60684	TE37535554	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	M	034833	781222	44	82	30.10	05	781222	75	62	47	30.09
60713	TE31558231	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	J	033622	790110	38	79	29.85	05	790110	65	53	44	30.20
64026	TE38037525	570	571	097	4	1	2	2	1	2	2	2	1	2	2	2	A	023119	780104	41	85	29.30	00	780104	71	69	90	29.37
64030	TE370541647	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	A	032969	780105	47	99	29.45	30	780105	70	68	90	29.55
64032	TE37538876	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	A	014740	780106	44	99	30.00	10	780106	65	64	95	30.05
64033	TE37135804	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	A	032017	780106	46	89	30.00	30	780106	68	68	95	30.08
64039	TE31094565	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	V	025768	780112	44	99	30.20	25	780112	66	62	85	30.16
64041	TE37537606	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	A	024722	780112	46	85	30.10	00	780112	68	63	76	30.02
64053	TE37535959	570	570	097	4	1	2	2	1	2	2	2	1	2	2	2	M	028670	780721	86	36	29.88	15	780721	95	76	41	29.84

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                                   APPENDIX A - LISTING OF VEHICLES
CELL NO=10    MODEL YR(S)=1977
   MAKE=TOYOTA                    MODEL=CELICA
                                                                                    -------DEQ DATA-------   ------HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM    DATE    F RH BARO  QT  DATE   DB WB RH BARO

60242  RA24024871     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  F   050437 780714 80 46 30.00 20 780714 93 77 43 29.96
70014  RA29069803     570  572  133 4 1 2  1  1  2  2  2  1  2  1  2  A   017705 780124 40 86 30.30 20 780124 56 50 65 30.32
70016  RA29071231     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  A   018543 780130 44 72 30.00 20 780130 58 52 66 29.98
70017  RA29073136     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  A   017095 780130 44 72 30.00 15 780130 59 52 62 29.92
70021  RA29051828     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  L   009228 780209 48 80 29.60 15 780209 59 52 62 29.75

70023  RA29077046     570  572  133 4 1 2  2  1  2  1  2  1  2  1  2  B   007973 780209 41 66 29.75 03 780209 66 58 54 29.82
70024  RA29054216     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  L   019638 780210 40 89 29.75 15 780210 58 51 61 29.74
70068  RA24099249     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  M   009498 780519 79 40 29.95 15 780519 65 54 48 30.12
70137  RA29066021     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  E   007269 780615 68 50 30.20 05 780615 70 61 59 30.18
70147  RA29069322     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  K   011176 780616 74 46 30.05 05 780616 68 58 54 30.16

70159  RA29099891     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  F   014329 780621 60 65 30.00 20 780621 69 60 59 30.00
70161  RA24051371     570  572  133 4 1 2  1  1  2  2  2  1  2  1  2  K   018091 780622 62 67 30.00 10 780622 72 61 53 30.04
70210  RA24078271     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  E   021772 780720 82 51 30.00 15 780720 93 74 40 29.98
70220  RA29069139     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  C   017794 780724 80 49 29.90 05 780724 92 76 48 29.90
70259  RA29071398     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  B   019557 780809 86 37 29.95 15 780809 90 72 41 29.94

70277  RA24108372     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  J   007853 780814 70 74 29.95 20 780814 82 69 51 29.94
70276  RA24076762     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  D   018694 780814 70 72 29.95 25 780814 86 68 39 29.95
70289  RA29098596     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  E   024977 780817 69 57 30.25 15 780817 82 66 42 30.22
70342  RA24069877     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  C   010782 780911 60 72 29.75 10 780911 72 62 57 30.12
70372  RA29048857     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  K   021682 780915 66 47 30.15 05 780915 76 60 38 30.26

70379  RA29075540     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  D   015694 780925 72 66 29.90 10 780925 85 70 47 29.85
70381  RA29065549     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  B   015085 780926 72 53 29.95 20 780926 81 68 51 29.94
70396  RA22046999     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  J   013102 781003 74 46 30.15 15 781003 74 61 47 30.14
70446  RA29120516     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  G   027418 781019 64 64 30.00 10 781019 72 64 48 29.96
70455  RA29065872     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  C   033787 781023 62 48 30.20 20 781023 74 58 36 30.14

70473  RA29118040     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  G   020151 781027 52 72 30.15 15 781027 65 57 47 30.14
70534  RA29056492     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  M   052137 781116 54 74 30.20 10 781116 67 59 62 30.12
70552  RA24051450     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  L   040854 781127 44 65 30.15 05 781127 68 54 38 30.10
70556  RA29085910     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  D   014893 781128 50 76 30.15 05 781128 63 56 64 30.10
70564  RA29050846     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  M   022735 781129 54 85 30.00 05 781129 63 61 89 29.97

70570  RA29070246     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  M   014741 781130 52 72 29.85 10 781130 65 57 61 29.79
70640  RA24074607     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  F   027068 790104 33 52 30.20 20 790104 76 58 31 30.38
70656  RA24056005     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  M   025966 790115 38 49 29.95 20 790115 72 59 45 30.18
70667  RA29050380     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  B   026776 790117 38 50 29.96 30 790117 66 50 29 29.90
70671  RA24092364     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  F   011787 790118 36 60 30.05 35 790118 70 55 28 30.22

74016  RA24057377     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  L   008520 780216 46 75 30.00 11 780216 66 59 70 30.08
74017  RA29069628     570  572  133 4 1 2  1  1  2  2  2  1  2  1  2  A   009958 780113 44 94 29.80 08 780113 75 76 99 29.30
74023  RA29060984     570  572  133 4 1 2  2  1  2  1  2  1  2  1  2  L   022223 780228 48 73 29.70 20 780228 77 67 59 29.80
74024  RA29075877     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  A   029420 780304 44 70 29.25 00 780304 63 55 79 30.04
74032  RA24070199     570  572  133 4 1 2  2  1  2  2  2  1  2  1  2  B   010840 781229 32 35 30.10 75 781229 58 45 32 30.32
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                                   APPENDIX A - LISTING OF VEHICLES
CELL NO=11    MODEL YR(S)=1975,1976,1977
   MAKE=VW                        MODEL=BEETLE
                                                                                    -------DEQ DATA-------   ------HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM    DATE    F RH BARO  QT  DATE   DB WB RH BARO

50011  1352140437     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  E   021529 780213 50 56 29.80 10 780213 63 55 60 30.00
50021  1352139527     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  E   036693 780302 50 59 29.65 15 780302 65 62 65 29.92
50027  1352139593     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  B   023254 780315 46 85 30.30 20 780315 72 57 38 30.30
50066  1152028027     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  C   018394 780509 57 88 29.80 10 780509 62 56 79 29.92
50069  1352138387     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  C   047907 780510 56 74 29.90 03 780510 69 57 47 30.10

50093  1152016269     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  F   038418 780531 69 43 30.00 10 780531 81 67 50 30.05
50103  1152019545     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  A   042092 780605 77 46 30.00 30 780605 89 73 46 30.00
50119  1352139216     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  C   049265 780612 60 65 30.25 15 780612 71 60 52 30.10
50220  1152118438     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  D   036714 780725 88 46 29.90 05 780725 93 75 38 29.92
50242  1152016070     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  J   031943 780808 98 34 29.95 15 780808 96 78 44 29.91

50331  1152033559     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  H   038273 780918 55 72 30.25 04 780918 75 62 47 30.36
50371  1352111540     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  B   037022 781005 68 44 30.00 12 781005 75 60 40 29.98
50486  1352111494     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  B   039013 781129 57 80 30.05 20 781129 65 59 70 30.02
50511  1352263000     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  K   037896 781209 45 78 30.25 10 781209 55 50 70 30.42
50554  1152159627     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  H   035601 790116 41 70 30.00 30 790116 75 58 34 30.18

54028  1152017710     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  A   036034 780109 46 99 29.70 20 780109 57 56 94 29.82
54044  1352267162     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  A   016355 790104 33 52 30.20 15 790104 74 57 34 30.37
56030  1552013950     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  G   032126 780324 54 88 30.00 20 780324 62 57 74 31.20
60245  1162045503     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  L   025116 780717 63 63 30.20 10 780717 77 65 32 30.15
60271  1562094136     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  E   032794 780728 74 54 30.05 30 780728 80 67 50 30.09

60292  1162082970     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  D   019058 780803 78 49 30.10 15 780803 84 70 49 30.04
60370  1162083025     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  F   025880 780907 60 79 29.95 02 780907 74 64 58 29.92
60415  1562140888     590  590  097 4 1 5  1  1  2  2  2  1  2  2  2  H   029040 780922 62 67 30.10 05 780922 75 64 54 30.06
60428  1162146701     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  L   025602 780928 68 57 30.20 15 780928 78 65 49 30.19
60499  1162095911     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  F   029120 781017 67 62 30.20 10 781017 72 61 53 30.12

60535  1162096648     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  J   026828 781030 50 71 30.40 35 781030 65 54 48 30.34
60596  1162129015     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  K   018739 781117 56 55 30.25 10 781117 66 56 53 30.25
60601  1162048352     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  M   013967 781121 48 41 29.90 05 781121 64 51 38 29.65
60671  1162082975     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  F   034462 781219 30 68 30.10 05 781219 59 49 47 30.23
60682  1162082969     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  F   028069 781221 43 82 30.25 20 781221 74 60 43 30.28

60720  1162082540     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  G   018150 790116 38 56 30.00 20 790116 68 52 31 29.96
70122  1572075858     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  K   012151 780609 70 47 30.10 05 780609 71 60 55 29.98
70239  1572075597     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  K   010465 780728 76 50 30.05 20 780728 82 70 55 30.02
70397  1172007998     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  M   020851 781003 70 47 30.15 15 781003 81 64 39 30.12
70452  1172002374     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  L   021036 781021 52 66 30.30 10 781021 64 53 47 30.22

70489  1172091261     590  590  097 4 1 5  2  1  2  1  2  1  2  2  2  H   026207 781102 55 73 30.25 00 781102 69 59 55 30.22
70520  1572076644     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  D   021535 781113 41 48 30.30 05 781113 63 48 33 30.26
70617  1572092145     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  G   019220 781219 38 75 30.15 15 781219 68 50 23 30.30
70627  1572043557     590  590  097 4 1 5  2  1  2  2  2  1  2  2  2  D   027880 781228 34 43 30.10 80 781228 65 50 31 30.14
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APPENDIX A - LISTING OF VEHICLES

CELL NO=12 MODEL YR(S)=1976,1977

MAKE=VW MODEL=RABBIT SCIROCCO

																			------DEO DATA------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
60018	1763080978	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	A	025397	780209	48	75	29.65	20	780209	56	50	65	29.74
60026	1763251271	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	D	016985	780228	48	76	29.70	15	780228	59	55	78	29.76
60140	5362055577	590	594	097	4	1	1	2	1	2	2	2	1	1	1	2	J	028436	780530	65	50	30.00	20	780530	92	66	23	30.04
60143	1763080706	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	E	035135	780531	78	22	30.00	40	780531	85	64	34	30.00
60162	1763131586	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	B	036808	780606	76	46	30.00	20	780606	86	70	44	29.98
60185	1763343368	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	G	039212	780615	65	53	30.25	15	780615	73	60	46	30.20
60189	1763208034	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2		038690	780619	69	55	30.05	20	780619	77	65	52	30.04
60232	1763018614	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	K	026834	780711	68	52	30.00	15	780711	76	64	51	30.00
60312	1763207959	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	H	027844	780816	64	70	30.20	40	780816	82	66	42	30.23
60372	1763200631	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	G	034525	780908	57	82	29.80	10	780908	75	65	58	29.75
60390	1763206598	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	F	041579	780914	66	53	30.14	10	780914	82	66	42	30.11
60393	1763172153	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	L	026754	780915	66	45	30.15	10	780915	78	62	39	30.24
60403	1763344602	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	G	021952	780920	64	56	30.10	20	780920	72	62	57	30.07
60436	5362030014	590	594	097	4	1	1	2	1	2	2	2	1	1	1	2	K	033578	781003	70	47	30.15	15	781003	77	62	42	30.14
60455	1763103154	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	B	045124	781006	66	64	30.10	00	781006	72	62	57	30.06
60468	1763016900	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	L	030587	781016	66	62	30.15	15	781016	75	64	54	30.10
60532	5362017225	590	594	097	4	1	1	2	1	2	2	2	1	1	1	2	M	016877	781030	51	70	30.40	20	781030	65	55	52	30.41
60544	1763131778	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	C	050704	781101	52	57	30.20	02	781101	72	57	38	30.06
60573	1763130536	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	C	021777	781109	55	41	30.20	04	781109	70	54	33	30.23
60587	1763396500	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	H	037671	781114	42	42	30.15	10	781114	67	50	26	30.10
60600	1763166303	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	D	024847	781120	48	40	29.90	05	781120	70	54	33	29.66
60654	1763016343	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	L	027623	781214	48	75	30.25	20	781214	71	58	45	30.24
60664	1763100192	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	B	019156	781216	39	65	29.90	05	781216	52	45	57	29.62
60674	1763017561	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	M	041602	781220	38	74	30.15	25	781220	68	56	46	30.32
60690	1763029400	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	M	028307	781227	37	63	30.05	30	781227	53	47	63	30.02
60694	1763172132	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	C	052094	781229	32	42	30.10	35	781229	64	50	34	30.32
64029	1763019579	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	A	030329	780105	48	98	29.40	10	780105	65	63	90	29.50
64035	1763303123	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	V	019210	780109	44	98	29.75	25	780109	71	68	86	29.74
64040	1763034004	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	A	030055	780112	44	95	30.20	25	780112	65	61	80	30.15
66012	1763034467	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	V	029116	780123	42	85	30.40	15	780123	74	60	43	30.41
66036	1763205860	590	591	097	4	1	1	2	1	2	1	2	1	1	1	2	D	036717	780413	50	73	29.80	05	780413	63	52	40	29.84
66041	5362028334	590	594	097	4	1	1	2	1	2	2	2	1	1	1	2	J	040493	780926	72	56	29.90	20	780926	78	67	56	29.92
70035	1773117616	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	B	021877	780314	47	72	30.30	15	780314	70	64	72	30.38
70189	1773057069	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	L	014974	780522	65	42	30.10	05	780522	69	56	43	30.08
70221	1773422409	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	F	023337	780724	82	47	29.90	10	780724	88	74	51	29.88
70227	5372050400	590	594	097	4	1	1	2	1	2	2	2	1	1	1	2	G	015000	780725	72	65	30.00	30	780725	86	72	50	29.96
70281	5372021433	590	594	097	4	1	1	2	1	2	2	2	1	1	1	2	M	016758	780814	71	49	29.95	10	780814	78	63	39	29.94
76006	1773137633	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	A	010266	780106	44	99	30.00	15	780106	70	68	99	29.75
76011	1773079008	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	A	015198	780124	40	90	30.25	00	780124	71	60	52	30.26
76041	1773519574	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	J	010653	780814	71	50	29.95	20	780814	78	64	46	29.94
76046	1773062574	590	591	097	4	1	1	2	1	2	2	2	1	1	1	2	M	025566	781030	52	67	30.35	30	781030	68	56	40	30.36

APPENDIX A - LISTING OF VEHICLES

CELL NO=13 MODEL YR(S)=1976,1977

MAKE=VOLVO MODEL=240

																			------DEO DATA------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
60150	VC24445E11033	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	C	033982	780519	82	40	30.00	10	780519	88	69	38	30.00
60169	VC24445E11459	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	E	028608	780606	70	55	30.15	05	780606	82	67	46	30.10
60184	VC24545E10917	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	G	027887	780615	63	54	30.25	30	780615	70	58	48	30.23
60200	VC24545E10911	600	601	130	4	1	5	1	1	2	1	2	1	2	2	2	L	012822	780621	60	65	30.00	20	780621	69	60	59	30.02
60264	VC24545E10604	600	601	130	4	1	5	2	1	2	2	2	1	2	2	2	A	039926	780727	72	53	30.00	15	780727	78	66	53	29.95
60265	VC24545E10625	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	L	039896	780727	66	65	30.00	10	780727	79	66	50	30.02
60269	VC24545E20567	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	J	035411	780728	74	60	30.05	10	780728	77	65	52	30.10
60317	VC24545E10800	600	601	130	4	1	5	1	1	2	1	2	1	2	2	2	G	029582	780818	66	64	30.25	15	780818	79	64	43	30.14
60319	VC24545E10234	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	B	033439	780818	71	56	30.10	00	780818	86	69	42	30.08
60322	VC24245E10624	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	F	019465	780821	66	73	30.02	10	780821	73	64	61	30.00
60324	24445H1271657	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	A	010547	780822	66	68	30.00	20	780822	77	64	48	29.98
60395	VC24545E10705	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	L	023584	780915	65	45	30.25	02	780915	76	60	38	30.25
60408	VC24245E10730	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	H	041116	780921	65	48	30.00	05	780921	74	61	47	30.00
60412	VC24445E11198	600	600	130	4	1	5	1	1	2	1	2	1	2	2	2	F	051092	780925	72	66	29.79	02	780925	86	72	50	29.86
60444	24545E1075934	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	A	021077	781004	70	47	30.05	10	781004	82	65	39	30.05
60445	VC24545E10793	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	L	037273	781004	68	51	30.08	02	781004	79	64	43	30.04
60479	2454E30968366	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	B	010662	781012	66	47	30.30	15	781012	78	61	36	30.26
60511	VC24445E31355	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	L	032735	781020	52	66	30.30	10	781020	63	53	50	30.24
60519	VC24545E10747	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	C	036881	781024	60	58	30.10	45	781024	72	58	42	30.04
60545	VC24545E10991	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	H	024430	781102	54	65	30.27	20	781102	67	56	49	30.22
60564	VC24545E10772	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	K	028409	781108	56	61	30.25	05	781108	70	57	44	30.18
60588	VC24245E10762	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	D	085514	781115	44	55	30.07	15	781115	65	52	39	30.02
60611	VC24545E10800	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	F	035570	781128	54	74	30.10	00	781128	70	61	59	30.06
60632	VC24445E10910	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	A	039687	781206	40	66	30.20	10	781206	66	53	40	30.29
60699	VC24245E10926	600	600	130	4	1	5	1	1	2	1	2	1	2	2	2	J	022939	790104	32	44	30.15	15	790104	79	55	28	30.38
60724	VC24245E10832	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	A	032857	790117	38	50	29.95	02	790117	65	52	39	29.90
60728	VC24545E10793	600	601	130	4	1	5	1	1	2	2	2	1	2	2	2	J	040118	790118	38	54	30.05	40	790118	51	43	50	30.20
64027	VC24245E30840	600	600	130	4	1	5	1	1	2	2	2	1	2	2	2	V	023609	780105	44	53	29.25	30	780105	69	67	90	29.32
64037	VC24445E10069	600	600	130	4	1	5	1	1	2	1	2	1	2	2	2	V	015048	780109	48	50	29.70	20	780109	69	66	85	29.74
70325	VC24545H11021	600	601	130	4	1	5	1	1	2	2	2	2	1	1	2	K	008959	780905	62	68	29.90	25	780905	72	61	53	29.80
70475	VC24445H12053	600	600	130	4	1	5	1	1	2	2	2	2	1	1	2	G	017176	781026	54	72	30.20	10	781026	70	58	48	30.12
70511	VC24545H11321	600	601	130	4	1	5	1	1	2	2	2	2	1	1	2	D	017022	781108	56	63	30.25	05	781108	68	57	50	30.17
70558	VC24545H11617	600	601	130	4	1	5	1	1	2	2	2	2	1	1	2	K	008610	781128	50	78	30.05	10	781128	65	57	61	30.07
70561	VC24445H12599	600	600	130	4	1	5	1	1	2	2	2	2	1	1	2	M	015758	781129	55	80	30.00	15	781129	65	60	75	29.97
70598	VC24445H12015	600	600	130	4	1	5	1	1	2	2	2	2	1	1	2	M	003457	781212	42	69	30.50	10	781212	73	58	39	30.47
70602	VC24445H12176	600	600	130	4	1	5	1	1	2	2	2	2	1	1	2	K	016655	781213	45	45	30.50	15	781213	72	56	34	30.34
70603	VC24245H11220	600	600	130	4	1	5	1	1	2	2	2	2	1	1	2	M	008597	781213	40	57	30.50	00	781213	64	50	37	30.30
70650	VC24245H11106	600	600	130	4	1	5	1	1	2	1	2	2	1	1	2	E	023170	790106	35	31	30.20	05	790106	63	45	17	30.14

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                                         APPENDIX A - LISTING OF VEHICLES

CELL NO=14     MODEL YR(S)=1975
   MAKE=DODGE PLYMOUTH          MODEL=DART VALIANT
                                                                                    ------DEQ DATA-------   -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE   DB WB RH BARO

50005  LH41C5R100466  022  227  225 6 2 1  1  1  2  2  1  2  1  1  2  A   003911 780124 38 53 30.30 10 780124 65 55 52 30.36
50067  VH41C5R276924  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  F   037400 780509 56 88 29.80 05 780509 68 59 58 29.92
50073  VH29C5G105708  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  J   024026 780515 59 83 29.80 20 780515 68 58 56 29.99
50080  VP41C5R258862  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  G   027496 780518 72 49 30.15 15 780518 81 67 50 30.12
50098  VL29C5G115396  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  K   047412 780601 80 40 30.00 25 780601 84 70 49 30.00

50100  VH41C5R115563  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  K   022359 780602 84 27 29.90 20 780602 51 70 36 29.86
50101  VH29C5G100511  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  L   046989 780602 82 38 29.90 00 780602 86 69 46 29.87
50111  VP41C5R203093  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  P   043404 780608 74 47 30.10 05 780608 86 71 53 29.94
50186  VL29C5G206263  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  G   026818 780707 64 57 30.20 15 780707 75 62 47 30.07
50222  VH41C5F149991  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  F   035142 780726 70 56 30.05 20 780726 82 68 48 30.00

50261  VH41C5B299073  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  G   052336 780815 71 62 29.95 20 780815 80 64 41 29.94
50262  VH41C5B309577  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  H   027225 780815 66 61 30.00 10 780815 77 64 48 29.98
50267  VL41C5R127623  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  B   040063 780816 64 75 30.00 20 780816 76 65 55 30.01
50281  VH23C5B193383  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  D   043345 780824 66 71 29.85 15 780824 74 64 56 29.90
50308  VL29C5B205094  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  H   036145 780906 69 51 29.80 25 780906 74 62 50 29.84

50319  VP41C5R135147  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  B   025529 780911 60 68 30.10 15 780911 69 60 59 30.10
50337  VH41C5R251975  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  E   021728 780920 64 56 30.10 10 780920 76 68 66 30.07
50341  VH41C5B249737  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  E   035621 780921 64 51 30.00 02 780921 75 61 44 29.98
50344  VH41C5R250127  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  U   032791 780926 72 49 29.90 15 780926 82 66 42 29.92
50367  VH23C5B174758  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  L   042932 781005 75 24 29.95 02 781005 85 63 32 29.95

50380  VL41C5R168367  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  B   041869 781011 66 46 30.30 15 781011 78 61 36 30.34
50385  LL29C5G118937  022  227  225 6 2 1  1  1  2  1  1  2  1  1  2  A   063842 781012 66 47 30.30 03 781012 78 61 36 30.26
50416  LH41C5F134391  022  227  225 6 2 1  1  1  2  2  1  2  1  1  2  E   005301 781026 56 54 30.15 20 781026 65 53 44 30.07
50436  VH29C5G148212  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  D   029745 781102 51 68 30.30 07 781102 72 58 42 30.24
50450  LH41C5R120853  022  227  225 6 2 1  1  1  2  2  1  2  1  1  2  M   060056 781107 61 52 30.20 05 781107 76 60 38 30.17

50460  VL29C5G151106  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  M   057754 781110 47 30 30.35 07 781110 70 51 22 30.31
50464  VH23C5B223727  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  H   011248 781113 41 44 30.25 03 781113 68 51 25 30.23
50468  VP41C5R237688  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  D   042869 781115 43 43 30.07 20 781115 70 53 29 30.22
50482  VP41C5F167233  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  G   029705 781128 50 75 30.15 40 781128 60 54 68 30.11
50530  LH23C5B197437  022  227  225 6 2 1  1  1  2  2  1  2  1  1  2  C   046628 781227 38 50 30.10 70 781227 70 54 33 30.15

50543  VH29C5B319943  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  H   013884 790105 34 34 30.20 20 790105 51 42 45 30.21
50546  VH41C5R144218  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  A   017366 790115 38 74 30.00 15 790115 67 54 38 30.15
50556  VL29C5B224153  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  J   032330 790116 38 75 30.00 25 790116 70 55 36 30.16
54018  VH29C5G107402  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  A   014628 771213 57 99 29.45 20 771213 66 65 95 29.68
54024  VH41C5B343522  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  K   041688 780105 48 99 29.40 10 780105 65 63 90 29.50

54025  VP41C5F177306  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  V   023378 780106 44 99 30.00 10 780106 71 67 81 30.03
56001  VH29C5G109811  023  285  225 6 2 1  1  1  2  2  1  2  1  1  2  A   051032 771129 48 92 30.25 00 771129 70 67 86 30.45
56005  LH41C5R178807  022  227  225 6 2 1  1  1  2  1  1  2  1  1  2  A   049268 771201 51 90 30.00 05 771201 73 70 86 30.02
56006  LH23C5G100124  022  227  225 6 2 1  1  1  2  1  1  2  1  1  2  A   017684 771207 42 71 30.05 08 771207 82 70 53 30.12
56034  VH29C5G197556  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  F   041343 780726 82 54 29.95 20 780726 84 72 56 29.98

56039  VH29C5G105711  023  285  225 6 2 1  1  1  2  1  1  2  1  1  2  K   012621 781025 54 56 30.10 15 781025 68 54 38 30.04
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                                         APPENDIX A - LISTING OF VEHICLES

CELL NO=15     MODEL YR(S)=1976
   MAKE=DODGE PLYMOUTH          MODEL=DART VALIANT ASPEN VOLARE
                                                                                    ------DEQ DATA-------   -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE   DB WB RH BARO

60199  NH41C6F162359  022  254  225 6 2 1  1  1  2  1  2  2  1  1  2  L   025882 780613 60 68 30.10 05 780613 68 59 58 30.08
60201  VL41C6G224389  023  285  225 6 2 1  1  1  2  1  2  2  1  1  2  B   024129 780621 60 65 30.00 20 780621 73 62 53 29.99
60205  VL29C6G132305  023  285  225 6 2 1  1  1  2  2  2  2  1  1  2  B   030185 780622 65 60 30.00 20 780622 71 60 52 30.04
60211  VH23C6G102145  023  285  225 6 2 1  1  1  2  2  2  2  1  1  2  K   020219 780628 79 48 29.85 10 780628 90 76 52 29.86
60223  HH45C6B294985  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  E   031173 780706 66 64 30.10 10 780706 79 67 53 30.07

60270  LL41C6F106005  022  227  225 6 2 1  1  1  2  2  2  2  1  1  2  M   029969 780728 76 54 30.00 01 780728 83 71 61 30.00
60280  HP41C6F225410  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  K   033514 780801 72 60 30.00 00 780801 85 72 53 30.00
60281  HP41C6F273710  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  M   025998 780801 64 71 30.09 20 780801 80 69 57 30.04
60287  HP41C6F288671  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  L   027771 780802 70 63 30.05 15 780802 84 70 49 30.01
60347  LL41C6F139496  022  227  225 6 2 1  1  1  2  2  2  2  1  1  2  M   029481 780828 74 58 30.00 20 780828 85 72 53 29.96

60348  VL41C6G207804  023  285  225 6 2 1  1  1  2  1  2  2  1  1  2  F   033094 780829 60 53 29.90 05 780829 88 74 51 29.90
60358  HH45C6B213823  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  E   026645 780901 74 56 29.80 10 780901 82 68 48 29.80
60388  NL41C6F302659  022  254  225 6 2 1  1  1  2  2  2  2  1  1  2  H   018176 780914 60 74 30.17 15 780914 75 65 58 30.16
60400  VL41C6F121097  023  285  225 6 2 1  1  1  2  2  2  2  1  1  2  L   053967 780919 54 70 30.15 10 780919 71 60 52 30.14
60413  HL41C6F264472  023  287  225 6 2 1  1  1  2  2  2  2  1  1  2  H   008720 780922 64 61 30.10 10 780922 73 62 53 30.07

60452  HP41C6F203574  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  E   016296 781006 72 46 30.00 01 781006 80 64 41 30.01
60462  NH45C6B452871  022  254  225 6 2 1  1  1  2  2  2  2  1  1  2  J   031841 781010 66 59 30.10 15 781010 72 61 53 30.29
60483  LL29C6G103802  022  227  225 6 2 1  1  1  2  2  2  2  1  1  2  L   027338 781013 70 22 30.15 08 781013 80 57 20 30.12
60495  HP41C6F263526  023  287  225 6 2 1  1  1  2  2  2  2  1  1  2  G   014551 781017 69 58 30.15 15 781017 80 66 53 30.12
60526  HP29C6B184983  023  287  225 6 2 1  1  1  2  2  2  2  1  1  2  B   019261 781026 54 60 30.05 10 781026 68 56 46 30.04

60530  VH23C6G110684  023  285  225 6 2 1  1  1  2  2  2  2  1  1  2  M   030815 781028 50 72 30.01 10 781028 62 54 59 30.04
60581  HL45C6B295590  023  287  225 6 2 1  1  1  2  2  2  2  1  1  2  E   027413 781113 44 41 30.30 10 781113 60 47 34 30.20
60584  NH45C6B418881  022  254  225 6 2 1  1  1  2  2  2  2  1  1  2  G   021631 781114 45 45 30.25 10 781114 66 50 29 30.19
60622  VL41C6F143304  023  285  225 6 2 1  1  1  2  1  2  2  1  1  2  M   038782 781202 50 71 30.00 10 781202 64 54 51 29.99
60633  HH29C6B124151  023  287  225 6 2 1  1  1  2  2  2  2  1  1  2  A   015163 781206 41 65 30.20 15 781206 64 51 38 30.30

60640  HH41C6F161912  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  C   040312 781207 39 58 30.25 12 781207 55 47 56 30.42
60642  LL41C6F145825  022  227  225 6 2 1  1  1  2  2  2  2  1  1  2  M   045301 781208 42 56 30.25 05 781208 67 53 37 30.41
60679  LL29C6G152519  022  227  225 6 2 1  1  1  2  1  2  2  1  1  2  C   029980 781221 44 78 30.15 15 781221 75 60 40 30.32
60688  VL23C6G164898  023  285  225 6 2 1  1  1  2  2  2  2  1  1  2  B   016737 781227 38 66 30.05 40 781227 70 57 44 30.28
60702  HH45C6B427798  023  287  225 6 2 1  1  1  2  2  2  2  1  1  2  J   042525 790105 32 33 30.20 36 790105 73 54 25 30.18

60723  HP41C6F165553  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  C   033610 790117 39 50 29.95 20 790117 65 52 39 29.90
64009  VH23C6G157521  023  285  225 6 2 1  1  1  2  2  2  2  1  1  2  A   033434 771128 50 96 30.10 04 771128 71 67 81 30.18
66006  LL29C6G140620  022  227  225 6 2 1  1  1  2  2  2  2  1  1  2  A   015078 771117 43 89 30.15 17 771117 71 57 41 30.25
66007  HH45C6B113284  023  287  225 6 2 1  1  1  2  1  2  2  1  1  2  A   016459 771128 50 92 30.15 05 771128 70 67 66 30.20
66008  LH23C6F122064  022  227  225 6 2 1  1  1  2  1  2  2  1  1  2  A   013183 771128 52 90 30.20 10 771128 70 68 90 30.18

66038  VL29C6G114860  023  285  225 6 2 1  1  1  2  1  2  2  1  1  2  K   018686 780830 73 62 29.85 10 780830 84 71 52 29.82
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APPENDIX A - LISTING OF VEHICLES

CELL NO=16 MODEL YR(S)=1977

MAKE=DODGE PLYMOUTH MODEL=ASPEN VOLARE

EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AL	EM	AS	CL	ES	TR	TAG	ODOM	-------DEW DATA------					-----HTS DATA------				
																			DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70022	HL45D7G113361	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	A	015757	780209	48	75	29.70	15	780209	55	49	65	29.76
70112	NL45D7B210914	022	254	225	6	2	2	1	1	2	2	2	1	1	1	2	L	021657	780605	77	46	30.00	05	780605	87	74	54	29.98
70131	HL45D7G105965	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	B	010649	780613	66	54	30.20	05	780613	72	60	49	30.12
70135	HH45D7G130567	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	E	026500	780614	62	62	30.20	05	780614	67	57	53	30.19
70139	HH45D7B377839	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	F	009273	780615	68	56	30.20	20	780615	69	60	59	30.20
70179	HH41D7G105493	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	K	024073	780706	73	58	30.05	15	780706	84	71	52	30.00
70238	HL45D7B320115	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	E	019641	780728	76	54	30.00	05	780728	83	71	49	29.98
70245	HP29D7B396325	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	F	017070	780803	74	50	30.25	15	780803	83	70	52	30.12
70286	HH45D7B327436	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	D	022673	780816	66	63	30.20	20	780816	82	65	41	30.23
70287	NL45D7G109077	022	254	225	6	2	2	1	1	2	1	2	1	1	1	2	D	021731	780817	66	58	30.20	20	780817	80	65	44	30.23
70307	HH45D7G105695	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	D	024044	780824	66	59	30.05	10	780824	77	64	48	30.06
70326	HL45D7G136879	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	L	015912	780905	66	62	29.80	15	780905	80	65	44	29.83
70335	HL41D7G127112	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	L	021532	780907	58	74	29.85	15	780907	74	63	54	29.80
70368	HL29D7B163050	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	B	021781	780922	64	66	30.10	05	780922	75	64	54	30.06
70383	HL45D7B407097	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	H	016754	780927	68	53	30.15	05	780927	77	62	42	30.14
70410	HL45D7G129166	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	L	015152	781006	74	33	30.00	06	781006	81	63	35	30.00
70412	NH45D7B255049	022	254	225	6	2	2	1	1	2	1	2	1	1	1	2	F	034205	781006	73	44	30.00	03	781006	80	65	44	30.00
70426	HL45D7B438045	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	M	010179	781016	66	62	30.15	02	781016	75	63	51	30.10
70427	HP29D7B205437	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	M	017338	781016	67	62	30.10	10	781016	76	64	51	30.09
70466	HL45D7G132306	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	M	055121	781024	56	47	30.00	10	781024	71	54	30	29.97
70472	HH45D7G131899	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	C	017112	781027	54	71	30.20	15	781027	68	57	50	30.04
70483	HP29D7B153757	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	L	027069	781101	55	54	30.20	35	781101	70	58	31	30.15
70501	HP29D7B133362	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	J	017309	781106	56	55	30.05	00	781106	69	56	43	30.17
70516	HL41D7B407434	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	H	014927	781109	51	44	30.25	05	781109	68	53	34	30.22
70584	NH45D7G106300	022	254	225	6	2	2	1	1	2	1	2	1	1	1	2	K	023808	781205	44	62	30.05	00	781205	72	56	34	30.33
70565	HH45D7G105709	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	L	033590	781206	41	64	30.20	05	781206	68	53	34	30.30
70623	HH41D7F122016	023	287	225	6	2	2	1	1	2	2	2	1	1	1	2	L	018770	781222	45	82	30.14	05	781222	59	49	47	30.07
70652	NL45D7B359052	022	254	225	6	2	2	1	1	2	2	2	1	1	1	2	F	017566	790113	38	75	29.85	05	790113	62	51	45	30.16
74005	NL45D7G111229	022	254	225	6	2	2	1	1	2	2	2	1	1	1	2	A	006423	771108	43	85	30.30	02	771108	72	69	90	30.10
74007	HP29D7B254885	023	287	225	6	2	2	1	1	2	1	2	1	1	1	2	A	007408	771129	53	70	30.35	10	771129	65	66	85	30.45
76018	NH45D7G158520	022	254	225	6	2	2	1	1	2	1	2	1	1	1	2	A	017740	780214	47	72	29.95	08	780214	67	59	62	29.95
76028	NP41D7G151911	022	254	225	6	2	2	1	1	2	1	2	1	1	1	2	A	010358	780306	50	82	30.00	15	780306	64	60	79	30.26

APPENDIX A - LISTING OF VEHICLES

CELL NO=17 MODEL YR(S)=1975

MAKE=CHRYS DODGE PLY MODEL=CORDOBA CORONET CHARGER FURY

EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AL	EM	AS	CL	ES	TR	TAG	ODOM	-------DEW DATA------					-----HTS DATA------				
																			DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50131	WH41G5A166414	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	E	049253	780615	65	53	30.20	05	780615	71	59	48	30.17
50136	RP23G5G179008	023	275	318	8	2	2	1	1	2	2	1	2	1	1	2	U	025590	780616	70	51	30.10	20	780616	88	70	40	30.04
50139	RH23G5A142050	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	C	018057	780619	70	54	30.05	30	780619	84	70	49	30.02
50146	RH23G5G204227	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	G	034702	780620	65	70	30.00	15	780620	75	64	54	30.06
50151	RP23G5G173231	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	F	028465	780623	65	58	30.13	02	780623	71	61	50	30.10
50214	SS22J5R150816	021	210	318	8	2	2	1	1	2	1	1	2	1	1	2	A	087630	780725	88	44	29.90	05	780725	91	76	50	29.90
50223	WH41G5A140469	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	B	024436	780728	76	54	30.00	15	780728	84	71	52	29.98
50255	RH41G5A155532	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	G	035248	780811	69	56	29.85	10	780811	90	70	36	29.85
50260	RH23G5G176272	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	D	022252	780814	68	76	30.00	20	780814	77	68	63	29.95
50272	RH41G5A181606	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	D	066857	780821	64	68	30.00	15	780821	74	63	54	30.00
50286	RP23G5G154918	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	G	021959	780825	66	65	30.15	15	780825	75	64	54	30.12
50294	WH41G5A161497	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	B	021034	780831	68	66	29.90	15	780831	77	65	52	29.88
50313	RL41G5A135595	023	275	318	8	2	2	1	1	2	2	1	2	1	1	2	M	044991	780907	60	77	29.95	01	780907	75	63	51	29.92
50351	WH23G5G205666	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	H	055061	780927	70	41	30.15	25	780927	80	64	41	30.15
50352	WH23G5G196940	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	J	057954	780928	66	56	30.20	15	780928	76	59	34	30.20
50359	RH41G5A115614	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	J	029521	780930	64	51	30.20	10	780930	72	60	49	30.22
50366	RH46G5A148994	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	M	098424	781005	77	35	30.02	10	781005	78	61	36	30.02
50369	RH41G5A206361	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	F	043578	781012	66	48	30.30	10	781012	75	61	44	30.26
50400	RH41G5A219965	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	A	030805	781019	64	64	30.00	10	781019	77	64	48	29.94
50413	RP23G5G151043	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	A	073983	781025	60	43	30.05	05	781025	76	57	28	30.01
50422	RP23G5G151857	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	M	039313	781028	52	70	30.01	10	781028	66	55	48	30.04
50449	WP23G5G123249	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	C	043388	781106	56	55	30.07	08	781106	64	54	51	30.17
50462	RH46G5A185307	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	K	022755	781113	45	47	30.30	15	781113	67	51	30	30.24
50473	WH23G5G147557	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	G	052299	781117	66	57	30.30	05	781117	66	56	46	30.23
50476	RP23G5A108462	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	B	045276	781117	58	54	30.25	15	781117	69	57	47	30.24
50480	RH23G5G122708	023	275	318	8	2	2	1	1	2	2	1	2	1	1	2	L	099127	781127	43	62	30.30	15	781127	73	56	32	30.22
50481	WH23G5G121216	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	K	096998	781127	44	59	30.20	05	781127	70	55	36	30.19
50498	RL41G5A143627	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	L	050821	781205	48	56	30.10	10	781205	72	56	34	30.34
50521	RH23G5G143146	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	L	062189	781216	39	64	29.85	05	781216	65	52	39	29.76
50553	WH41G5A167158	022	225	318	8	2	2	1	1	2	1	1	2	1	1	2	L	066569	790115	36	75	30.00	25	790115	68	54	40	30.14
50561	RH41G5A181962	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	L	049616	790117	36	50	29.95	45	790117	69	51	24	29.89
54014	RH41G5A159016	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	E	072277	771121	36	55	29.70	05	771121	73	68	78	30.08
56003	RH23G5G224484	023	275	318	8	2	2	1	1	2	1	1	2	1	1	2	A	016558	771128	53	80	30.35	04	771128	67	64	85	30.42

APPENDIX A - LISTING OF VEHICLES

CELL NO=18   MODEL YR(S)=1976

MAKE=DODGE PLY   MODEL=DART ASPEN VALIANT VOLARE

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
60009	HP41G6F244026	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	V	018221	780125	42	92	30.10	00	780125	59	52	62	29.98
60144	NL41G6F153885	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	D	026941	780531	76	20	30.05	10	780531	81	64	41	29.94
60151	NP41G6F177491	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	D	016939	780601	80	23	29.90	05	780601	84	66	37	29.86
60186	NM45G6B409222	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	M	026555	780615	65	56	30.15	30	780615	78	64	46	30.12
60209	HP29G6B101602	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	C	034088	780623	65	50	30.00	10	780623	73	61	50	30.11
60231	NP41G6F272107	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	J	015244	780710	64	59	30.10	15	780710	78	63	43	30.03
60238	NM45G6B338003	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	G	020531	780712	69	64	30.05	20	780712	60	69	57	30.02
60239	HP29G6B302130	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	E	020944	780712	76	54	30.05	05	780712	92	74	42	30.00
60282	HM45G6B124490	023	287	318	8	2	2	1	1	2	2	2	2	1	1	2	M	029248	780801	66	70	30.08	15	780801	86	73	54	30.00
60302	HP29G6B423946	023	287	318	8	2	2	1	1	2	2	2	2	1	1	2	H	022367	780808	92	43	29.86	05	780808	98	76	36	29.91
60325	HM45G6B399063	023	287	318	8	2	2	1	1	2	2	2	2	1	1	2	G	036531	780822	60	76	30.00	25	780822	74	65	61	29.87
60327	LM23G6F126369	022	227	318	8	2	2	1	1	2	1	2	2	1	1	2	L	034543	780822	62	78	29.90	30	780822	76	66	59	29.98
60342	LL41G6F110753	022	227	318	8	2	2	1	1	2	1	2	2	1	1	2	L	051653	780828	72	57	30.15	25	780828	89	72	44	30.10
60365	HP41G6B144334	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	A	051453	780906	66	59	29.85	10	780906	77	62	42	29.85
60380	LL29G6G210602	022	227	318	8	2	2	1	1	2	1	2	2	1	1	2	L	014893	780912	60	73	30.00	15	780912	73	63	37	29.93
60381	HM45G6B153265	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	B	041698	780913	60	75	29.95	05	780913	72	63	61	29.94
60419	HP41G6F167909	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	G	028905	780925	72	68	29.90	10	780925	86	72	50	29.84
60434	NP41G6F209390	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	E	029557	780930	64	51	30.20	12	780930	70	60	55	30.22
60475	NM45G6B030240	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	F	011629	781011	66	47	30.30	02	781011	71	60	52	30.30
60481	HP41G6F258016	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	J	021768	781013	69	37	30.25	05	781013	77	58	29	30.23
60498	VL41G6F110464	023	285	316	8	2	2	1	1	2	2	2	2	1	1	2	K	048977	781017	64	65	30.20	05	781017	71	61	59	30.14
60507	NM45G6B365382	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	G	025510	781019	68	61	29.95	02	781019	80	65	44	29.94
60518	HM29G6B347168	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	M	021474	781024	60	60	30.10	15	781024	69	57	47	30.06
60529	HP46G6B129828	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	M	029334	781028	50	72	30.01	10	781028	68	56	48	30.04
60558	NP41G6F244601	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	M	024617	781107	61	52	30.20	05	781107	75	60	40	30.17
60562	HM29G6B109424	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	M	023512	781107	58	62	30.15	02	781107	73	60	46	30.13
60572	HM41G6F283776	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	J	031779	781109	56	42	30.25	08	781109	70	54	33	30.23
60605	HM41G6F196929	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	J	020283	781120	46	59	30.20	10	781120	65	57	61	30.15
60610	HM45G6B438123	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	K	022568	781128	51	76	30.15	10	781128	63	56	64	30.08
60627	HM45G6B250181	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	D	022464	781205	44	61	30.15	05	781205	67	53	37	30.32
60629	NP29G6B403054	022	254	318	8	2	2	1	1	2	2	2	2	1	1	2	J	020092	781205	41	64	30.18	05	781205	64	52	43	30.31
60635	HP41G6F1735	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	C	020828	781207	40	62	30.25	05	781207	67	53	37	30.45
60637	HP29G6B184982	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	B	053300	781207	40	62	30.25	13	781207	77	58	29	30.44
60722	NM45G6B400028	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	M	030792	790117	40	39	30.00	25	790117	67	52	33	29.92
64006	NP41G6B133366	022	254	318	8	2	2	1	1	2	1	2	2	1	1	2	V	030286	771110	59	85	29.95	01	771110	72	69	86	29.98
66034	HM45G6B332074	023	287	318	8	2	2	1	1	2	1	2	2	1	1	2	F	036703	780407	56	58	29.93	05	780407	63	51	42	30.12

APPENDIX A - LISTING OF VEHICLES

CELL NO=19   MODEL YR(S)=1977

MAKE=CHRYS DODGE PLY   MODEL=CORDOBA CORONET ASPEN VOLARE FURY

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70044	HL45G7B128232	023	287	318	8	2	2	1	1	2	2	2	1	1	1	2	K	019934	780316	56	60	30.15	00	780316	80	64	41	30.18
70050	NL45G7G112765	022	254	318	8	2	2	1	1	2	2	2	1	1	1	2	K	017657	780407	48	55	29.90	15	780407	77	58	31	30.07
70051	HP41G7G125017	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	M	015370	780419	50	59	29.95	05	780418	63	56	69	30.04
70107	HM45G7G144013	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	M	015085	780530	68	25	30.20	20	780530	79	62	37	30.15
70130	RL23G7A158735	023	275	318	8	2	2	1	1	2	1	2	1	1	1	2	A	013571	780613	65	60	30.25	20	780613	71	60	52	30.11
70149	HL29G7B231938	023	287	318	8	2	2	1	1	2	2	2	1	1	1	2	C	011519	780617	67	52	30.15	30	780617	84	68	43	30.08
70153	SS22G7R192058	021	410	318	8	2	2	1	1	2	1	2	1	1	1	2	B	015140	780620	75	50	30.00	15	780620	85	70	46	29.97
70165	HM45G7B423045	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	G	018507	780623	64	63	30.15	10	780623	77	65	52	30.08
70180	NL45G7B152505	022	254	318	8	2	2	1	1	2	1	2	1	1	1	2	J	026927	780706	75	55	30.00	15	780706	83	73	61	29.95
70182	HM45G7B370625	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	F	013575	780707	66	55	30.20	15	780707	79	64	43	30.08
70184	HL45G7B471180	023	287	318	8	2	2	1	1	2	2	2	1	1	1	2	L	012539	780710	68	54	30.10	05	780710	79	64	43	30.02
70195	HP29G7B122234	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	J	034043	780713	71	59	30.05	20	780713	84	70	49	30.01
70243	NM45G7B130344	022	254	318	8	2	2	1	1	2	1	2	1	1	1	2	M	012417	780801	64	68	30.10	20	780801	75	65	58	30.06
70302	HP29G7B418234	023	287	318	8	2	2	1	1	2	2	2	1	1	1	2	M	011649	780822	60	77	29.95	15	780822	73	64	61	29.86
70305	HP29G7B281316	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	D	019617	780823	64	76	29.80	15	780823	74	64	58	29.88
70319	RM41G7A187536	023	475	318	8	2	2	1	1	2	1	2	1	1	1	2	B	030252	780830	70	64	30.00	15	780830	82	70	55	29.90
70356	HL45G7B354735	023	287	318	8	2	2	1	1	2	2	2	1	1	1	2	G	012632	780915	54	63	30.15	25	780915	70	58	48	30.18
70367	NM45G7B257321	022	254	318	8	2	2	1	1	2	1	2	1	1	1	2	A	022859	780919	62	58	30.30	05	780919	80	62	35	30.25
70399	NM29G7B259033	022	254	318	8	2	2	1	1	2	1	2	1	1	1	2	A	017960	781003	70	46	30.10	10	781003	63	64	34	30.08
70414	NL45G7B303428	022	254	318	8	2	2	1	1	2	2	2	1	1	1	2	E	023991	781009	66	65	30.10	10	781009	73	62	53	30.09
70464	GM22G7G243576	022	254	318	8	2	2	1	1	2	1	2	1	1	1	2	G	010531	781025	56	47	30.00	10	781025	71	54	30	29.96
70467	GM22G7G243578	022	254	318	8	2	2	1	1	2	1	2	1	1	1	2	J	006361	781025	54	48	30.00	05	781025	72	54	28	29.97
70471	HM45G7B311453	023	287	318	8	2	2	1	1	2	2	2	1	1	1	2	F	015767	781026	56	56	30.10	10	781026	71	57	41	30.04
70481	WM23G7A224021	022	225	318	8	2	2	1	1	2	1	2	1	1	1	2	D	018008	781031	55	51	30.25	10	781031	71	55	33	30.23
70499	HM45G7B270805	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	B	022893	781106	56	55	30.05	00	781106	68	55	42	30.16
70514	HL41G7G173173	023	287	318	8	2	2	1	1	2	2	2	1	1	1	2	E	013128	781108	56	57	30.20	07	781108	70	55	38	30.24
70524	HM41G7F192021	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	F	009618	781114	46	43	30.22	08	781114	66	50	29	30.17
70535	HP41G7F230128	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	D	023213	781116	54	75	30.20	10	781116	70	60	55	30.12
70567	HP41G7F118285	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	M	056739	781130	54	73	29.95	05	781130	69	55	[illegible]	29.90
70613	ML29G7B472542	022	254	318	8	2	2	1	1	2	2	2	1	1	1	2	M	008625	781219	34	72	30.10	15	781219	50	46	[illegible]	30.22
70621	NP29G7B197697	022	254	318	8	2	2	1	1	2	1	2	1	1	1	2	M	020613	781222	44	80	30.10	15	781222	66	56	53	30.08
70661	NM29G7B232415	022	254	318	8	2	2	1	1	2	1	2	1	1	1	2	A	011310	790116	42	70	30.00	45	790116	72	57	38	30.16
74020	HM45G7G118892	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	K	012196	780405	50	83	29.63	05	780405	59	55	78	29.88
74025	HL45G7B105708	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	K	017032	780405	50	83	29.63	05	780405	60	56	78	29.86
74028	NM45G7B123282	022	254	318	8	2	2	1	1	2	2	2	1	1	1	2	K	017329	780420	52	66	29.75	20	780420	58	52	66	29.96
74031	HM45G7B473336	023	287	318	8	2	2	1	1	2	1	2	1	1	1	2	M	016650	780928	69	47	30.20	10	780928	84	66	37	30.19
76016	HM45G7G145951	023	287	318	8	2	2	1	1	2	2	2	1	1	1	2	A	013056	780208	50	80	29.50	25	780208	61	54	63	29.38

APPENDIX A - LISTING OF VEHICLES

```
CELL NO=20    MODEL YR(S)=1975,1976
   MAKE=CHRYS DODGE PLY          MODEL=CORDOBA CORONET FURY

                                                                                  -------DEQ DATA-------   ------HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE    F RH BARO  QT   DATE  DB WB RH BARO

50121  SS22K5R159504  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  M   055291 780612 60 65 30.25 15 780612 69 59 53 30.12
50126  SS22K5R301950  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  G   026639 780614 62 67 30.10 05 780614 73 62 53 30.12
50132  RH23K5G115693  023  275  360 8 2 2  1  1  2  1  1  2  1  1  2  K   042305 780615 66 54 30.20 20 780615 65 60 75 30.21
50189  SS22K5R249406  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  D   006399 780710 70 50 30.10 15 780710 79 64 46 30.04
50192  SS22K5R242394  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  D   025398 780710 68 55 30.00 15 780710 77 64 48 30.02

50251  RP23K5A122266  023  275  360 8 2 2  1  1  2  1  1  2  1  1  2  K   056164 780810 78 48 29.94 15 780810 86 73 54 29.92
50252  SS22K5R194213  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  C   066513 780810 80 47 29.95 15 780810 84 72 56 29.91
50274  SS22J5R147354  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  J   039528 780821 66 70 30.05 45 780821 75 63 51 29.98
50277  SS22K5R272661  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  F   035727 780822 60 78 30.00 15 780822 75 65 58 29.85
50376  SS22K5R279344  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  F   038131 781010 66 57 30.15 10 781010 73 61 50 30.29

50387  SS22K5R318553  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  H   043647 781012 66 46 30.30 10 781012 77 61 39 30.26
50394  SS22K5R343750  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  J   027339 781017 66 65 30.10 05 781017 78 65 49 30.10
50401  SS22K5R257154  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  D   064628 781020 62 70 30.10 10 781020 75 61 44 30.06
50425  SS22K5R113667  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  L   047572 781030 51 70 30.35 25 781030 68 56 46 30.43
50444  SS22K5R238465  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  D   045058 781102 60 44 30.02 18 781102 67 54 41 30.25

50453  SS22K5R268429  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  E   049919 781108 60 60 30.25 05 781108 71 59 48 30.18
50463  SS22K5R117443  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  M   029870 781113 45 45 30.30 15 781113 68 51 25 30.24
50493  SS22K5R216791  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  E   073051 781201 54 67 29.95 30 781201 72 59 45 30.00
56002  SS22K5R107376  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  A   039484 771129 51 76 30.42 07 771129 69 65 81 30.46
56021  WP23K5G147645  022  225  360 8 2 2  1  1  2  1  1  2  1  1  2  B   033139 780215 46 85 30.20 15 780215 60 53 63 30.25

60133  SS22K6R100453  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  E   016864 780523 59 48 29.90 20 780523 70 58 48 29.94
60246  SS22K6R198294  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  B   041436 780717 65 63 30.15 05 780717 79 65 46 30.12
60344  SS22K6R128965  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  K   039887 780828 74 49 30.10 05 780828 90 74 47 30.06
60354  SS22K6R234556  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  F   020966 780831 74 56 29.80 02 780831 74 64 58 29.61
60359  SS22K6R153518  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  B   029549 780905 64 64 29.80 15 780905 78 64 46 29.83

60376  SS22K6R159466  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  M   056412 780911 61 72 30.10 05 780911 71 63 64 30.12
60396  SS22K6R216510  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  C   030886 780919 62 53 30.30 10 780919 80 63 36 30.28
60579  SS22K6R235152  021  210  360 8 2 2  1  1  2  2  1  2  1  1  2  H   011979 781110 50 20 30.30 00 781110 72 69 86 30.29
60639  SS22K6R179571  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  G   032091 781207 38 61 30.25 10 781207 65 52 39 30.42
60717  SS22K6R111365  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  L   026926 790116 40 72 30.00 45 790116 77 59 32 30.16

66004  SS22K6R137067  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  A   018701 771027 49 57 29.70 10 771027 69 63 72 29.75
66018  SS22K6R180371  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  A   017494 780109 48 97 29.75 20 780109 73 70 86 29.73
66021  SS22K6R170256  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  A   041026 780127 40 92 30.15 02 780127 58 52 66 30.02
66042  SS22K6R112253  021  210  360 8 2 2  1  1  2  1  1  2  1  1  2  L   039793 781002 70 44 30.20 02 781002 76 62 44 30.20
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APPENDIX A - LISTING OF VEHICLES

```
CELL NO=22    MODEL YR(S)=1975
   MAKE=FORD MERC                MODEL=PINTO MUSTANG II BOBCAT

                                                                                  -------DEQ DATA-------   ------HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE    F RH BARO  QT   DATE  DB WB RH BARO

50062  5X12Y109456    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  L   027996 780522 56 73 29.91 20 780522 67 55 45 30.00
50112  5T22Y317416    033  331  140 4 2 2  1  1  2  2  2  1  2  1  2  E   036659 780608 76 40 30.00 10 780608 66 59 58 29.97
50159  5X12Y231201    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  G   056910 780626 83 37 29.85 15 780626 90 74 47 29.85
50167  5R12Y126108    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  D   048404 780628 68 60 30.00 15 780628 73 64 54 30.00
50173  5R12Y143345    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  E   050064 780705 64 58 30.20 10 780705 82 67 45 30.15

50204  5X12Y201704    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  M   046339 780718 62 66 30.15 05 780718 78 67 62 30.11
50206  5R11Y161594    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  H   033219 780719 72 61 30.05 05 780719 87 74 54 30.02
50231  5R12Y159405    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  M   009751 780801 68 70 30.10 20 780801 85 73 50 29.96
50248  5X12Y137637    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  C   047793 780809 87 36 29.95 15 780809 90 73 44 29.93
50292  5R11Y129580    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  C   052003 780830 68 65 29.90 25 780830 77 66 56 29.92

50293  5R12Y148669    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  F   013978 780831 67 68 29.90 30 780831 85 69 49 29.92
50295  5R11Y107942    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  L   038348 780901 60 74 29.80 20 780901 72 62 57 29.87
50335  5X11Y214705    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  K   012654 780920 60 65 30.15 10 780920 77 63 45 30.12
50368  5R12Y128010    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  C   044643 781005 74 24 29.95 20 781005 84 62 26 29.94
50378  5X11Y229433    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  H   034146 781010 60 53 30.15 15 781010 75 62 47 30.29

50379  5X10Y130373    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  B   045147 781010 70 47 30.20 05 781010 77 61 39 30.24
50407  5X11Y237647    031  349  140 4 2 2  1  1  2  1  2  1  2  1  2  G   012492 781024 60 60 30.10 20 781024 74 58 45 30.04
50417  5R02Y156693    031  348  140 4 2 2  1  1  2  2  2  1  2  1  2  H   039049 781026 56 56 30.10 05 781026 72 57 38 30.04
50474  5R03Y110912    031  348  140 4 2 2  1  1  2  2  2  1  2  1  2  L   042839 781117 56 54 30.30 10 781117 68 56 46 30.23
50500  5R12Y131743    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  J   046777 781205 44 64 30.05 00 781205 66 53 40 30.32

50501  5X12Y160011    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  M   045085 781205 44 60 30.15 10 781205 67 53 37 30.32
50503  5R11Y136506    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  B   032938 781206 40 62 30.25 00 781206 64 52 43 30.46
50504  5X10Y130370    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  L   036642 781207 40 62 30.07 00 781207 65 52 39 30.45
50508  5R10Y130695    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  E   027665 781207 40 64 30.25 10 781207 70 55 36 30.40
50509  5X12Y127898    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  K   006802 781207 38 63 30.07 02 781207 65 52 39 30.40

50512  5R11Y146066    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  G   042025 781211 42 68 30.50 20 781211 73 58 39 30.53
50514  5R02Y160529    031  348  140 4 2 2  1  1  2  2  2  1  2  1  2  D   022520 781212 42 69 30.50 00 781212 73 57 35 30.46
50516  5T12Y165601    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  L   026035 781213 43 46 30.50 15 781213 69 54 35 30.32
50541  5R10Y144070    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  E   026642 790104 33 60 30.15 00 790104 72 55 31 30.37
50552  5X12Y122623    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  K   042962 790115 40 49 30.00 15 790115 71 54 30 29.92

50560  5R11Y155167    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  L   045724 790117 40 49 29.95 25 790117 67 52 33 29.90
56004  5X11Y150054    031  349  140 4 2 2  1  1  2  2  2  1  2  1  2  A   035362 771130 44 87 30.35 05 771130 80 76 87 30.40
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                                        APPENDIX A - LISTING OF VEHICLES

CELL NO=23    MODEL YR(S)=1975
   MAKE=FORD MERC                   MODEL=PINTO MUSTANG II BOBCAT
                                                                                       -------DEQ DATA-------   ------HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE  DB WB RH BARO

50007  5X12Y101579   031  349   140 4 1 2  1  1  2  2  2  1  1  1  2  V  047266 780130 46 66 29.85 20 780130 72 63 61 29.94
50016  5X12Y127919   031  349   140 4 1 2  2  1  2  2  2  1  2  1  2  B  058880 780223 50 95 30.00 05 780223 66 60 71 29.96
50043  5R10Y157496   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  H  021674 780406 52 64 29.70 00 780406 68 56 46 30.06
50052  5R11Y152200   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  K  019995 780502 64 67 30.05 25 780502 74 58 36 30.17
50054  5T20Y530528   033  331   140 4 1 2  1  1  2  2  2  1  2  1  2  H  035176 780503 58 63 30.20 05 780503 70 55 36 30.25

50071  5X12Y138462   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  A  025895 780512 60 68 29.80 20 780512 71 59 48 29.91
50075  5F02Y116775   031  348   140 4 1 2  1  1  2  2  2  1  2  1  2  A  024407 780515 60 74 30.19 20 780515 72 58 42 30.28
50077  5R12Y134046   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  D  024228 780517 64 64 30.18 20 780517 74 59 39 30.25
50090  5X12Y127894   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  A  038448 780526 55 75 30.00 10 780526 67 60 66 30.04
50095  5R11Y153036   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  G  023263 780531 76 21 30.00 40 780531 83 64 34 29.98

50130  5R11Y139938   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  K  022987 780615 67 51 30.20 00 780615 70 61 59 30.18
50145  5R10Y146156   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  G  041756 780620 60 70 30.00 20 780620 76 65 55 30.07
50161  5R11Y139948   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  K  039974 780627 71 57 30.00 25 780627 81 68 51 29.98
50169  5R02Y114065   031  348   140 4 1 2  1  1  2  2  2  1  2  1  2  A  054908 780630 69 60 30.05 10 780630 79 60 51 30.02
50175  5R04Y133698   031  348   140 4 1 2  1  1  2  2  2  1  2  1  2  D  032767 780705 66 58 30.15 20 780705 84 69 46 30.12

50178  5X12Y206980   031  349   140 4 1 2  1  1  2  1  2  1  2  1  2  F  030348 780619 72 49 30.05 10 780619 80 66 47 30.04
50233  5R10Y156284   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  J  024219 780802 76 50 30.15 10 780802 76 63 48 30.13
50238  5R10Y146157   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  F  032332 780807 90 35 29.95 05 780807 93 78 51 29.96
50268  5R10Y165468   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  M  029867 780817 69 56 30.24 20 780817 83 66 40 29.92
50273  5R10Y144077   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  F  053547 780821 64 65 30.05 20 780821 75 65 58 30.00

50305  5R12Y146544   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  F  051566 780905 64 66 29.85 20 780905 68 59 58 29.63
50322  5R12Y146872   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  J  020048 780912 60 72 29.95 15 780912 75 64 54 29.94
50348  5R11Y144073   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  G  041544 780927 70 44 30.20 20 780927 78 64 46 30.16
50360  5F03Y255797   031  348   140 4 1 2  1  1  2  2  2  1  2  1  2  H  043642 781002 70 43 30.20 05 781002 80 64 41 30.17
50363  5R12Y133613   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  D  039936 781003 70 47 30.15 15 781003 81 64 39 30.13

50393  5X12Y101572   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  K  048122 781016 66 62 30.15 04 781016 74 63 54 30.10
50406  5X11Y101559   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  C  023904 781024 58 63 30.15 20 781024 70 58 48 30.08
50412  5F03Y100649   031  348   140 4 1 2  1  1  2  2  2  1  2  1  2  C  059863 781025 60 46 30.10 25 781025 68 54 38 30.04
50418  5R10Y146144   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  K  015925 781026 56 59 30.10 02 781026 70 56 40 30.03
50428  5T22Y537803   033  331   140 4 1 2  1  1  2  2  2  1  2  1  2  K  030643 781031 56 55 30.25 55 781031 70 55 36 30.19

50432  5R11Y160839   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  M  030121 781101 56 49 30.20 25 781101 75 57 30 30.16
50433  5X12Y101598   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  B  059104 781101 55 54 30.20 25 781101 64 53 47 30.15
50490  5X12Y137636   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  B  036629 781130 52 74 29.70 05 781130 68 58 54 29.74
50517  5R03Y133069   031  348   140 4 1 2  1  1  2  2  2  1  2  1  2  D  042995 781214 45 75 30.20 30 781214 74 61 47 30.21
50519  5R11Y139226   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  L  020404 781215 44 67 30.25 10 781215 75 59 37 30.46

50525  5F02Y110773   031  348   140 4 1 2  1  1  2  2  2  1  2  1  2  C  044735 781220 38 76 30.15 05 781220 68 50 23 30.30
50540  5R12Y142837   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  E  039119 790104 32 45 30.15 05 790104 80 60 29 30.37
50558  5R11Y141106   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  M  036457 790117 40 49 30.00 24 790117 68 52 31 29.93
54013  5T20Y537804   033  331   140 4 1 2  1  1  2  2  2  1  2  1  2  A  021041 771114 44 99 30.15 00 771114 65 57 61 30.12
54023  5F04Y119290   031  348   140 4 1 2  1  1  2  2  2  1  2  1  2  A  042304 780105 46 95 29.25 15 780105 71 69 99 29.44

54040  5R11Y126528   031  349   140 4 1 2  1  1  2  2  2  1  2  1  2  C  026309 780419 53 83 29.75 15 780419 59 50 52 29.89
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                                        APPENDIX A - LISTING OF VEHICLES

CELL NO=24    MODEL YR(S)=1976
   MAKE=FORD MERC                   MODEL=PINTO MUSTANG II BOBCAT
                                                                                       -------DEQ DATA-------   ------HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE  DB WB RH BARO

60064  6F03Y151662   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  E  014565 780324 52 76 30.00 10 780324 71 64 68 30.10
60098  6R11Y106663   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  J  027870 780508 58 77 29.80 05 780508 66 59 58 29.93
60126  6R12Y159278   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  H  022711 780518 74 48 29.97 01 780518 82 65 39 30.08
60128  6R11Y153474   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  E  013852 780518 73 52 29.99 15 780518 84 66 37 30.02
60153  6X12Y178078   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  B  036511 780602 80 30 30.00 20 780602 93 73 42 29.88

60234  6T12Y111825   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  C  036376 780711 65 59 30.10 15 780711 80 65 44 30.03
60250  6R02Y118897   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  L  028365 780719 76 54 30.00 10 780719 94 76 43 30.01
60255  6X11Y178677   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  C  031327 780721 71 60 29.95 10 780721 81 72 57 29.93
60328  6R11Y119188   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  L  030285 780822 65 76 29.85 05 780822 75 66 58 29.80
60334  6F03Y204057   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  F  022700 780824 64 77 29.80 15 780824 76 65 55 29.88

60343  6R12Y107032   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  K  019123 780828 74 49 30.10 05 780828 87 72 48 30.10
60352  6R11Y147466   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  K  030262 780901 66 67 29.85 20 780901 74 64 58 29.81
60353  6F02Y134196   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  C  015545 780831 70 64 29.90 45 780831 78 67 56 29.92
60406  6X11Y218641   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  D  041021 780921 60 66 30.04 05 780921 74 60 43 30.01
60491  6R11Y109792   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  K  049748 781016 64 64 30.20 00 781016 73 62 53 30.14

60493  6R11Y102941   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  J  029650 781017 65 63 30.20 15 781017 75 63 51 30.15
60512  6R02Y114058   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  L  031722 781021 52 68 30.30 10 781021 62 57 74 30.24
60513  6R12Y163536   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  H  025043 781021 50 70 30.30 10 781021 65 54 48 30.25
60516  6X12Y203370   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  F  025098 781023 60 60 30.10 10 781023 73 59 42 30.06
60525  6X11Y218038   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  D  021538 781026 54 59 30.10 02 781026 72 57 38 30.03

60538  6T20Y507270   033  331   140 4 2 2  1  1  2  2  2  1  1  1  2  K  019257 781031 56 50 30.25 40 781031 72 56 34 30.20
60563  6R04Y146915   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  D  014315 781107 58 65 30.15 02 781107 73 60 46 30.18
60582  6FC2Y191591   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  E  043158 781113 46 40 30.30 20 781113 71 53 27 30.23
60647  6X12Y202477   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  E  046367 781213 45 46 30.50 15 781213 74 57 33 30.34
60650  6X12Y200159   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  D  028870 781213 40 56 30.40 05 781213 66 52 36 30.30

60666  6X12Y179351   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  D  019341 781218 36 68 30.10 07 781218 69 55 39 30.20
60670  6R03Y135779   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  E  040980 781219 36 70 30.10 20 781219 62 50 41 30.23
60695  6R12Y168505   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  A  027125 781229 28 45 30.10 40 781229 60 50 34 30.30
60718  6R12Y147460   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  D  018711 790116 38 75 30.00 15 790116 70 55 36 30.16
60729  6R02Y135783   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  E  041620 790119 38 77 30.05 20 790119 61 52 54 30.26

64014  6F04Y134957   031  348   140 4 2 2  1  1  2  2  2  1  1  1  2  A  032038 771207 39 89 29.59 28 771207 76 73 87 30.10
64031  6X10Y136488   031  349   140 4 2 2  1  1  2  2  2  1  1  1  2  A  014954 780105 46 99 29.50 20 780105 66 65 95 30.03
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                              APPENDIX A - LISTING OF VEHICLES
CELL NO=25    MODEL YR(S)=1976
   MAKE=FORD MERC                MODEL=PINTO MUSTANG II BOBCAT

                                                                                  ------DEQ DATA------   -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE  DB WB RH BARO

60013  6R12Y119028   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  A   044485 780203 50 99 30.25 10 780203 63 59 79 30.12
60014  6R12Y163804   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  A   016741 780207 50 99 29.10 05 780207 59 55 78 29.28
60045  6R04Y148012   031  348   140 4 1 2 1  1  2  1  2  1  1  1  2  F   036947 780308 51 95 29.95 15 780308 63 60 84 30.02
60051  6X12Y183344   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  A   019966 780313 50 73 30.05 20 780313 61 57 78 30.14
60095  6X12Y180199   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  D   026419 780508 75 50 30.00 10 780508 81 62 30 29.96

60107  6R12Y170935   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  H   016316 780512 56 70 30.15 20 780512 68 55 42 30.22
60115  6R12Y124026   031  349   140 4 1 2 1  1  2  1  2  1  1  1  2  M   038051 780515 56 77 30.20 20 780515 71 59 48 30.28
60122  6X11Y160383   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  D   022790 780517 60 73 30.22 20 780517 72 56 42 30.30
60134  6R11Y167623   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  F   034661 780523 58 52 29.90 20 780523 70 57 44 29.94
60145  5T20Y509604   033  331   140 4 1 2 2  1  2  2  2  1  1  1  2  G   057945 780601 68 40 29.99 16 780601 81 63 34 29.96

60148  6X12Y210360   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  E   014463 780601 80 25 30.00 10 780601 84 68 43 29.88
60149  6R10Y103358   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  J   022387 780601 80 23 29.90 05 780601 85 67 43 29.67
60212  6R02Y113012   031  348   140 4 1 2 1  1  2  2  2  1  1  1  2  H   049220 780628 84 45 29.90 05 780628 72 62 57 29.99
60230  6R10Y125929   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  L   019608 780710 64 59 30.05 15 780710 72 61 53 30.04
60235  6R11Y114658   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  L   038478 780711 69 50 30.00 05 780711 89 72 44 29.93

60240  6R02Y117141   031  348   140 4 1 2 1  1  2  2  2  1  1  1  2  M   022584 780713 80 40 30.00 10 780713 86 70 44 29.98
60267  6X11Y136487   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  C   010939 780728 70 53 30.10 15 780728 82 69 51 30.08
60275  6X10Y169432   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  B   024577 780731 64 65 30.05 05 780731 78 65 49 30.04
60285  6X10Y112359   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  L   020219 780802 71 62 30.03 10 780802 80 68 54 30.01
60307  6R12Y116040   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  M   043173 780811 69 60 30.20 45 780811 82 66 42 30.14

60366  6X11Y135921   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  F   037829 780906 60 70 29.95 15 780906 75 62 47 29.93
60374  6X12Y195488   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  D   034379 780908 58 83 29.80 02 780908 75 66 62 29.70
60387  6R11Y124023   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  C   031393 780914 65 56 30.15 10 780914 78 65 49 30.14
60431  6R12Y159285   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  J   025382 780929 70 53 30.00 10 780929 83 69 43 29.98
60453  6F02Y125670   031  348   140 4 1 2 1  1  2  2  2  1  1  1  2  G   023048 781006 72 46 30.00 02 781006 78 63 43 30.02

60464  6R12Y107021   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  J   020920 781011 68 49 30.22 15 781011 73 60 46 30.34
60476  6X10Y170065   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  B   028499 781011 66 50 30.40 10 781011 71 58 45 30.32
60554  6R12Y157435   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  E   017250 781106 56 56 30.05 00 781106 68 56 46 30.17
60593  6F02Y209463   031  348   140 4 1 2 1  1  2  2  2  1  1  1  2  E   023819 781116 54 75 30.20 10 781116 67 59 62 30.12
60668  6T20Y514015   033  331   140 4 1 2 1  1  2  2  2  1  1  1  2  L   046989 781219 36 68 30.10 15 781219 59 48 42 30.20

60709  6R12Y155030   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  G   020797 790112 38 79 29.85 05 790112 60 50 48 30.16
60711  6R02Y156071   031  348   140 4 1 2 1  1  2  1  2  1  1  1  2  A   035450 790112 37 76 29.85 05 790112 65 54 48 30.18
64008  6R12Y124124   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  A   011539 771121 39 51 29.70 02 771121 69 63 72 29.72
64012  6X11Y160253   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  A   026675 771201 52 90 30.00 00 771201 74 72 91 29.97
64051  6R11Y157047   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  G   012578 780425 63 77 29.55 00 780425 73 63 57 29.78

64056  6F02Y205307   031  348   140 4 1 2 1  1  2  2  2  1  1  1  2  E   035503 781130 55 71 30.00 13 781130 69 59 55 29.90
66043  6R11Y116626   031  349   140 4 1 2 1  1  2  2  2  1  1  1  2  B   025365 781010 70 45 30.20 30 781010 78 62 39 30.26
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                              APPENDIX A - LISTING OF VEHICLES
CELL NO=26    MODEL YR(S)=1977
   MAKE=FORD MERC                MODEL=PINTO MUSTANG II BOBCAT

                                                                                  ------DEQ DATA------   -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE  DB WB RH BARO

70083  7R11Y103706   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  M   019578 780515 62 70 30.20 00 780515 74 59 39 30.28
70084  7X11Y216667   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  J   005639 780516 61 69 30.20 20 780516 72 59 45 30.29
70085  7F02Y146485   031  348   140 4 2 2 1  1  2  2  2  1  1  1  2  A   026760 780517 66 61 30.15 20 780517 75 60 40 30.26
70097  8R11Y405082   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  H   011684 780525 60 50 29.95 30 780525 70 59 51 30.00
70104  7X11Y176757   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  E   005569 780526 58 73 30.00 20 780526 74 59 39 30.28

70121  7X11Y152601   031  349   140 4 2 2 1  1  2  1  2  1  1  1  2  C   003666 780609 68 55 30.00 10 780609 73 60 46 29.96
70134  7R11Y104666   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  J   018959 780614 62 67 30.15 15 780614 65 57 61 30.12
70156  7R12Y105800   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  B   016629 780620 68 64 30.09 03 780620 74 64 58 30.06
70160  7X11Y113484   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  K   018552 780622 62 67 30.00 20 780622 68 59 58 30.04
70167  7R11Y111020   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  A   023593 780626 74 47 30.05 09 780626 82 68 48 29.96

70183  7X11Y204423   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  F   013475 780710 64 57 30.20 15 780710 78 64 46 30.06
70188  7X12Y214275   031  349   140 4 2 2 2  1  2  2  2  1  1  1  2  G   018553 780712 74 50 29.95 00 780712 67 72 48 29.93
70270  7F03Y113545   031  348   140 4 2 2 1  1  2  2  2  1  1  1  2  L   011679 780811 74 49 29.85 15 780811 61 65 45 29.82
70273  7X12Y192214   031  349   140 4 2 2 1  1  2  1  2  1  1  1  2  E   025522 780814 70 57 30.25 30 780814 84 68 43 30.13
70291  7X11Y164633   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  E   012170 780818 64 65 30.25 15 780818 80 65 44 30.15

70294  7X12Y172697   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  D   014527 780821 64 75 30.10 20 780821 77 65 52 30.03
70370  7X12Y184629   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  G   021321 780920 60 62 30.15 15 780920 77 63 43 30.12
70373  7X11Y204424   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  F   012476 780921 64 48 30.00 10 780921 77 62 42 30.00
70375  7X11Y216065   031  349   140 4 2 2 1  1  2  1  2  1  1  1  2  H   010782 780921 64 56 30.00 00 780921 74 60 43 30.27
70377  7T20Y516796   033  331   140 4 2 2 1  1  2  2  2  1  1  1  2  H   021006 780925 70 63 29.90 15 780925 85 79 64 29.88

70390  7X12Y199079   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  F   023756 781002 64 56 30.20 03 781002 72 60 49 30.22
70396  7R02Y121551   031  348   140 4 2 2 1  1  2  2  2  1  1  1  2  D   018343 781003 70 46 30.10 15 781003 82 65 39 30.11
70415  7X12Y213899   031  349   140 4 2 2 1  1  2  1  2  1  1  1  2  C   006843 781009 68 60 30.10 05 781009 76 64 51 30.10
70437  7X12Y213698   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  J   005222 781018 72 48 30.10 05 781018 82 58 20 30.13
70447  7X12Y172051   031  349   140 4 2 2 2  1  2  2  2  1  1  1  2  H   012115 781020 61 67 30.05 00 781020 71 62 60 30.04

70491  7R11Y114061   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  D   045474 781103 54 76 30.25 40 781103 65 58 66 30.21
70527  7R11Y105825   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  M   011410 781115 42 39 30.10 09 781115 68 51 25 30.02
70536  7X12Y159037   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  L   017476 781116 54 75 30.20 10 781116 66 58 61 30.12
70557  7R11Y103125   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  B   006714 781128 50 79 30.13 05 781128 65 57 61 30.06
70575  7F04Y114428   031  348   140 4 2 2 1  1  2  2  2  1  1  1  2  L   011794 781201 54 61 29.90 00 781201 71 58 43 30.00

70590  7X12Y164826   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  E   020166 781207 40 62 30.25 00 781207 75 57 30 30.44
70604  7X12Y106703   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  K   022031 781214 43 68 30.20 25 781214 63 55 32 30.18
70614  7X12Y186594   031  349   140 4 2 2 1  1  2  2  2  1  1  1  2  E   025227 781219 35 71 30.10 05 781219 61 50 44 30.23
70626  8R12Y406775   031  349   140 4 2 2 1  1  2  1  2  1  1  1  2  M   025495 781228 36 36 30.05 80 781228 74 55 30 30.12
```

APPENDIX A - LISTING OF VEHICLES

CELL NO=27 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=PINTO MUSTANG II BOBCAT

																			------DEQ DATA------					------HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70071	7X10Y105613	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	B	013585	780508	70	47	29.85	05	780508	66	58	61	29.94
70074	7X12Y172054	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	D	014240	780509	54	78	29.85	20	780509	65	55	52	29.95
70077	7X11Y113480	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	J	023331	780511	58	82	30.00	10	780511	68	57	50	30.13
70079	7T12Y129088	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	F	008296	780515	59	73	29.85	20	780515	70	60	53	29.97
70081	7X12Y105094	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	J	018742	780515	58	84	29.92	20	780515	65	56	56	30.27
70102	7X12Y178206	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	D	013739	780526	60	75	30.00	10	780526	72	63	61	30.05
70120	7X10Y105031	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	L	046371	780608	63	59	30.00	05	780608	70	61	59	29.96
70169	7X11Y206998	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	M	024192	780627	64	37	29.85	40	780627	87	73	60	29.80
70172	7R02Y122170	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	E	012713	780628	81	47	29.85	30	780628	92	77	50	29.88
70190	7F02Y148513	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	B	011697	780712	70	65	30.00	30	780712	82	70	55	30.02
70197	6R10Y400004	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	K	008271	780714	80	47	30.00	02	780714	94	77	46	29.96
70232	7T20Y519122	033	331	140	4	1	2	1	1	2	2	2	1	1	1	2	F	012282	780726	70	57	30.05	20	780726	80	66	42	30.02
70260	7X12Y105612	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	L	029035	780810	72	53	30.00	00	780810	80	66	47	29.96
70272	6R12Y407301	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	K	003731	780814	68	62	30.20	25	780814	75	65	46	30.18
70298	7X11Y105615	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	L	025330	780821	66	67	30.30	25	780821	75	65	58	30.30
70358	7T20Y504515	033	331	140	4	1	2	1	1	2	2	2	1	1	1	2	G	031296	780915	57	59	30.20	05	780915	70	58	48	30.19
70361	7T22Y508333	033	331	140	4	1	2	1	1	2	1	2	1	1	1	2	C	026152	780918	60	47	30.15	20	780918	72	59	45	30.18
70362	8R02Y430367	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	G	028923	780918	55	71	30.45	05	780918	76	62	44	30.37
70366	7X12Y159057	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	F	015564	780919	56	69	30.25	15	780919	75	62	47	30.35
70391	7F02Y198796	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	G	010924	781002	71	45	30.20	20	781002	74	62	50	30.22
70402	7X12Y215192	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	J	016290	781004	70	50	30.15	02	781004	84	65	34	30.02
70416	8R11Y400982	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	A	017054	781010	70	44	30.20	15	781010	77	61	39	30.24
70429	7X12Y158826	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	C	022814	781016	64	62	30.15	05	781016	72	64	66	30.14
70432	6R11Y110055	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	B	008748	781017	70	56	30.15	10	781017	81	65	47	30.12
70479	7X12Y203074	031	349	140	4	1	2	1	1	2	1	2	1	1	1	2	A	008077	781031	54	59	30.35	40	781031	66	54	44	30.28
70497	7R10Y141881	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	M	023064	781106	59	40	30.05	05	781106	65	56	43	30.20
70529	7T12Y129403	031	349	140	4	1	2	1	1	2	1	2	1	1	1	2	E	025690	781115	42	66	30.07	10	781115	65	52	39	30.02
70532	7F02Y152717	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	D	028279	781116	52	75	30.20	15	781116	65	55	55	30.12
70543	8F02Y410107	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	K	010427	781117	58	59	30.25	10	781117	68	57	50	30.24
70576	7F02Y149803	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	C	029409	781201	54	67	29.95	20	781201	72	55	45	30.00
70577	7F02Y136890	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	M	019736	781201	55	63	29.09	05	781201	70	58	51	30.00
70588	6R12Y404609	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	L	012594	781207	40	64	30.07	10	781207	75	57	30	30.44
70595	7F02Y156037	031	348	140	4	1	2	1	1	2	1	2	1	1	1	2	B	017601	781208	41	58	30.25	05	781208	56	47	50	30.40
70607	7R02Y144019	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	M	010921	781215	44	67	30.25	05	781215	68	51	20	30.42
70616	7F02Y195338	031	348	140	4	1	2	1	1	2	2	2	1	1	1	2	G	012355	781219	39	66	30.15	45	781219	71	51	20	30.43
70619	7R12Y104862	031	349	140	4	1	2	1	1	2	1	2	1	1	1	2	L	037401	781220	38	74	30.15	20	781220	68	56	40	30.35
70645	7X10Y177097	031	349	140	4	1	2	1	1	2	2	2	1	1	1	2	G	022906	790105	28	36	30.20	15	790105	58	47	41	30.16

APPENDIX A - LISTING OF VEHICLES

CELL NO=28 MODEL YR(S)=1975,1976

MAKE=FORD MODEL=PINTO MUSTANG II

																			------DEQ DATA------					------HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50009	5R122111773	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	A	038218	780208	46	90	29.50	30	780208	64	55	56	29.42
50010	5X122109444	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	A	030534	780213	46	64	29.80	10	780213	58	52	60	29.92
50023	5R122114010	031	349	171	6	2	2	1	1	2	1	2	1	1	1	2	C	023054	780307	50	99	30.00	00	780307	67	61	71	30.02
50044	5R122130372	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	E	016856	780417	48	89	29.90	00	780417	60	57	57	30.07
50060	5R122116345	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	M	019562	780505	64	63	30.00	10	780505	75	58	34	30.10
50065	5X122114631	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	B	032364	780508	60	77	29.80	15	780508	68	58	54	29.92
50068	5X122114630	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	C	030234	780510	58	68	29.85	05	780510	64	54	51	29.92
50070	5R022143443	031	348	171	6	2	2	1	1	2	2	2	1	1	1	2	G	049163	780511	60	72	30.05	10	780511	67	56	49	30.18
50076	5R122116340	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	M	028665	780515	60	73	30.20	20	780515	71	59	48	30.34
50142	5X122106097	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	J	043348	780619	72	50	30.05	20	780619	73	63	57	30.05
50162	5R122110463	031	349	171	6	2	2	1	1	2	1	2	1	1	1	2	M	047188	780627	80	43	29.80	10	780627	90	73	44	29.83
50219	5R122161593	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	K	018033	780725	76	58	30.00	05	780725	88	76	57	29.95
50225	5R122111792	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	B	053970	780731	76	50	30.05	10	780731	85	72	53	30.04
50245	5R122130896	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	E	019503	780808	92	32	29.87	10	780808	98	76	36	29.88
50320	5R122130541	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	E	026467	780915	60	51	30.15	15	780915	73	59	42	30.18
50399	5R052146925	031	348	171	6	2	2	1	1	2	2	2	1	1	1	2	F	064614	781019	68	57	29.95	15	781019	79	64	43	29.94
50435	5R122133484	031	349	171	6	2	2	1	1	2	1	2	1	1	1	2	F	035936	781102	54	76	30.25	45	781102	70	61	59	30.22
50438	5R122144330	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	L	043785	781102	52	66	30.30	04	781102	65	55	52	30.24
50532	5R032139033	031	348	171	6	2	2	1	1	2	2	2	1	1	1	2	J	019284	781228	36	43	30.05	90	781228	69	50	21	30.12
50545	5R122152778	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	G	035583	790108	36	78	29.85	10	790108	78	59	30	30.16
54042	5R032142339	031	348	171	6	2	2	1	1	2	2	2	1	1	1	2	H	031663	780502	62	69	30.05	15	780502	75	59	37	30.16
56032	5T122127346	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	A	041088	780330	55	50	29.95	20	780330	65	59	70	30.40
60047	6R122102942	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	J	011750	780308	55	85	29.95	00	780308	66	62	71	30.24
60072	6F022250176	031	348	171	6	2	2	1	1	2	1	2	1	1	1	2	H	017624	780331	49	77	29.65	15	780331	73	63	61	29.64
60073	6F042250171	031	348	171	6	2	2	1	1	2	1	2	1	1	1	2	H	025371	780331	58	59	29.40	10	780331	66	59	60	29.56
60043	6R122159297	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	G	020872	780505	60	62	30.20	15	780505	74	58	36	30.28
60097	6F042187958	031	348	171	6	2	2	1	1	2	1	2	1	1	1	2	D	025274	780508	71	46	29.90	05	780508	68	59	58	29.93
60103	6F022181659	031	348	171	6	2	2	1	1	2	1	2	1	1	1	2	D	014803	780509	54	78	29.85	20	780509	63	53	50	29.96
60113	6R022134899	031	348	171	6	2	2	1	1	2	2	2	1	1	1	2	B	017055	780515	60	80	29.89	20	780515	65	55	52	30.25
60191	6R122121263	031	349	171	6	2	2	1	1	2	1	2	1	1	1	2	L	026697	780619	67	56	30.05	15	780619	78	65	49	30.04
60210	6F022191987	031	348	171	6	2	2	1	1	2	2	2	1	1	1	2	E	019745	780627	81	43	29.85	15	780627	87	73	56	29.81
60218	6R122113485	031	349	171	6	2	2	1	1	2	1	2	1	1	1	2	M	033467	780705	63	58	30.15	20	780705	75	62	47	30.15
60254	6R122117902	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	L	023145	780721	89	30	29.88	10	780721	93	76	45	29.84
60417	6G042113937	031	348	171	6	2	2	1	1	2	1	2	1	1	1	2	K	024678	780925	64	75	29.95	20	780925	76	67	62	30.91
60504	6R042104085	031	348	171	6	2	2	1	1	2	1	2	1	1	1	2	J	017294	781019	68	53	30.05	15	781019	82	65	39	30.00
60505	6F042216879	031	348	171	6	2	2	1	1	2	1	2	1	1	1	2	G	020081	781019	68	53	30.05	15	781019	77	63	45	30.00
60093	6R122107493	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	K	040312	781228	33	40	30.10	65	781228	60	47	34	30.30
64030	6R042161061	031	348	171	6	2	2	1	1	2	1	2	1	1	1	2	G	011712	780425	63	77	29.55	15	780425	69	60	59	29.78
66002	6R112109781	031	349	171	6	2	2	1	1	2	2	2	1	1	1	2	K	020060	771013	63	75	30.10	17	771013	71	61	56	30.20

APPENDIX A - LISTING OF VEHICLES

CELL NO=29 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

																			DEO DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50113	5W84L189259	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	D	038486	780609	68	59	30.00	10	780609	73	62	53	29.97
50140	5W61L199217	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	G	019281	780619	70	55	30.05	20	780619	80	67	50	30.02
50150	5W81L236430	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	F	042618	780623	62	63	30.10	01	780623	66	57	57	30.07
50199	5K92L173102	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	F	017052	780713	71	58	30.05	15	780713	82	70	55	30.00
50236	5K92L176471	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	G	036577	780804	78	47	30.15	05	780804	89	72	57	30.14
50285	5K30L522548	031	347	250	6	2	1	1	1	2	1	2	1	1	1	2	D	058540	780825	66	64	30.10	05	780825	74	64	58	30.12
50296	5K31L514181	033	334	250	6	2	1	1	1	2	2	2	1	1	1	2	H	024150	780901	70	60	29.85	15	780901	82	68	48	29.82
50434	5W82L153878	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	E	046823	781101	52	57	30.20	02	781101	64	53	47	30.15
50442	5K93L146918	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	E	028984	781103	58	77	30.10	00	781103	75	65	58	30.07
50446	5W61L203462	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	M	030543	781106	59	46	30.05	05	781106	72	57	38	30.20
50456	5W81L242148	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	G	031736	781109	56	44	30.20	01	781109	70	55	36	30.24
50499	5W81L256775	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	H	020687	781205	45	61	30.15	25	781205	74	56	29	30.32
50538	5K92L175301	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	K	034180	790104	31	44	30.15	21	790104	62	52	50	30.38
50544	5K92L102310	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	B	052310	790106	34	31	30.20	05	790106	57	43	26	30.14
50547	5W62L222402	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	F	048810	790111	35	75	29.18	10	790111	60	50	48	29.74
54009	5W81L156575	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	V	034195	771012	58	64	30.05	01	771012	66	56	54	30.22
54022	5K91L140074	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	A	004466	771229	38	93	29.70	25	771229	63	60	84	29.98
54027	5K92L136660	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	A	030068	780109	46	96	29.75	25	780109	68	66	90	29.74
56024	5W82L100293	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	C	019007	780221	48	87	30.30	20	780221	65	60	75	30.35
56058	5W82L105043	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	L	034546	781005	74	34	30.00	10	781005	84	62	24	30.00
60003	6W34L514480	033	392	250	6	2	1	1	1	2	2	2	1	1	1	2	A	019321	780116	46	99	29.35	00	780116	62	55	64	29.76
60026	6W83L156314	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	B	034037	780222	50	78	30.25	15	780222	65	60	75	30.18
60029	6W62L205074	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	B	015764	780228	48	70	29.50	10	780228	65	59	70	29.50
60036	6W64L209588	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	B	019845	780307	52	97	29.85	25	780307	64	61	84	29.92
60180	6K91L166787	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	J	024152	780614	62	68	30.10	05	780614	66	58	54	30.12
60217	6W35L582679	033	392	250	6	2	1	1	1	2	1	2	1	1	1	2	J	016914	780630	72	52	30.00	30	780630	84	69	47	29.98
60225	6W34L512484	033	392	250	6	2	1	1	1	2	1	2	1	1	1	2	L	036766	780706	68	61	30.10	05	780706	82	70	55	30.04
60294	6W81L236603	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	D	028346	780803	70	53	30.15	25	780803	82	68	48	30.14
60336	6W34L573090	033	392	250	6	2	1	1	1	2	2	2	1	1	1	2	M	024520	780824	70	53	30.10	15	780824	71	65	72	30.10
60441	6W81L119036	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	K	036458	781004	69	47	30.10	20	781004	78	64	46	30.09
60446	6W34L508627	033	392	250	6	2	1	1	1	2	1	2	1	1	1	2	K	018334	781005	74	26	30.00	06	781005	85	63	27	30.00
60461	6W81L264672	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	G	021648	781009	70	60	30.10	15	781009	73	62	53	30.10
60568	6W62L192672	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	F	025941	781109	52	52	30.20	08	781109	65	55	39	30.25
60644	6W83L104952	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	J	029243	781211	42	69	30.50	20	781211	74	59	36	30.46
60714	6K92L100343	031	347	250	6	2	1	1	1	2	1	2	1	1	1	2	K	025637	790113	36	80	29.87	10	790113	60	50	44	30.04
64005	6W84L181175	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	A	017084	771110	58	83	30.00	04	771110	72	70	95	30.04
64045	6K92L140094	031	347	250	6	2	1	1	1	2	1	2	1	1	1	2	B	022699	780411	52	65	30.25	05	780411	60	48	39	30.26
64047	6W61L160102	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	C	024008	780412	53	76	30.00	00	780412	73	55	29	30.13
66040	6K91L106020	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	K	034143	780915	66	46	30.15	15	780915	77	62	42	30.23

APPENDIX A - LISTING OF VEHICLES

CELL NO=30 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

																			DEO DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50072	5K91F147601	031	347	302	8	2	2	1	1	2	2	2	1	1	1	2	G	035865	780512	61	68	29.75	15	780512	69	59	55	29.94
50160	5W81F157424	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	H	055463	780627	75	53	29.90	45	780627	86	71	47	29.90
50161	5W61F163301	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	B	056690	780706	66	63	30.05	10	780706	77	65	52	30.00
50196	5W63F193062	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	D	027596	780713	80	39	29.95	00	780713	88	70	40	29.98
50207	5W63F105318	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	J	040276	780719	66	65	30.00	15	780719	79	69	60	30.05
50226	5W38F515590	033	392	302	8	2	2	1	1	2	1	2	1	1	1	2	L	032159	780731	76	50	30.05	10	780731	83	70	52	30.00
50291	5W63F175329	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	B	054735	780830	73	59	29.85	15	780830	84	71	52	29.88
50304	5W63F177074	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	B	024812	780905	60	74	29.95	15	780905	73	61	50	29.63
50312	5W34F536004	033	392	302	8	2	2	1	1	2	1	2	1	1	1	2	E	051837	780907	60	74	29.95	02	780907	77	65	52	29.92
50430	5W84F179073	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	G	032748	781101	52	52	30.25	10	781101	76	58	31	30.23
50475	5W81F227601	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	H	020659	781117	58	55	30.25	15	781117	64	55	56	30.24
50495	5W84F105331	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	K	049463	781201	53	66	29.95	05	781201	71	59	48	30.04
54006	5W81F152320	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	A	018148	771007	59	99	30.05	00	771007	79	76	96	30.20
54007	5W61F170323	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	A	043514	771007	59	95	30.05	03	771007	73	65	82	30.20
54008	5W38F520209	033	392	302	8	2	2	1	1	2	1	2	1	1	1	2	M	015619	771004	65	36	29.95	26	771004	69	66	85	29.92
54010	5W34F527762	033	392	302	8	2	2	1	1	2	1	2	1	1	1	2	A	042099	771014	64	78	30.05	10	771014	67	58	58	30.17
60041	6W63F136696	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	B	014503	771216	44	99	29.75	10	771216	73	71	91	30.35
60089	6W81F216603	031	342	302	8	2	2	1	1	2	2	2	1	1	1	2	C	023820	780504	55	80	30.05	10	780504	69	55	39	30.16
60125	6W34F534006	033	392	302	8	2	2	1	1	2	1	2	1	1	1	2	C	033418	780518	62	68	30.20	05	780518	83	66	48	30.16
60163	6W37F567520	033	392	302	8	2	2	1	1	2	1	2	1	1	1	2	F	019094	780606	81	36	29.98	20	780606	71	64	60	30.19
60202	6W35F545717	033	392	302	8	2	2	1	1	2	2	2	1	1	1	2	J	016257	780621	60	65	30.00	20	780621	77	63	45	29.94
60206	6W63F276234	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	G	024468	780623	50	60	30.00	10	780623	72	60	49	30.08
60290	6W37F501701	033	392	302	8	2	2	1	1	2	1	2	1	1	1	2	K	031747	780602	78	56	29.96	15	780602	84	73	52	29.96
60300	6W38F550424	033	392	302	8	2	2	1	1	2	2	2	1	1	1	2	E	030870	780810	75	52	29.95	02	780810	80	70	61	29.95
60363	6W61F115994	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	K	020534	780913	58	79	30.00	10	780913	74	64	58	29.96
60430	6W62F197430	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	E	037535	780929	71	50	30.10	05	780929	73	64	61	30.10
60435	6W62F136992	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	K	048466	781002	71	45	30.22	15	781002	72	61	53	30.22
60539	6W62F270063	031	342	302	8	2	2	1	1	2	2	2	1	1	1	2	F	016171	781031	55	56	30.25	50	781031	72	56	34	30.19
60576	6W63F209543	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	H	010163	781110	51	20	30.30	05	781110	70	50	19	30.26
60577	6W35F578356	033	392	302	8	2	2	1	1	2	1	2	1	1	1	2	J	019728	781110	52	21	30.35	00	781110	72	52	21	30.21
60624	6W81F294730	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	H	055598	781204	47	61	30.10	20	781204	74	57	33	30.35
60662	6W83F225482	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	D	036163	781215	40	69	30.20	03	781215	59	49	47	30.36
64022	6W61F164253	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	A	019656	771220	42	65	30.25	35	771220	71	69	90	30.20
60003	6W81F150789	031	342	302	8	2	2	1	1	2	2	2	1	1	1	2	A	020168	771019	60	55	29.55	09	771019	68	62	67	30.04
60015	6W81F156270	031	342	302	8	2	2	1	1	2	1	2	1	1	1	2	A	024177	771227	35	72	29.95	01	771227	65	63	90	29.90

APPENDIX A - LISTING OF VEHICLES

CELL NO=31 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=TORINO MONTEGO COUGAR

																			------DEO DATA------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50015	5H30H153856	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	C	025470	780223	51	91	30.05	20	780223	63	58	74	30.06
50019	5H27H174034	031	373	351	8	2	2	1	1	2	2	2	1	1	1	2	C	035559	780301	48	50	29.55	10	780301	62	57	74	29.73
50031	5G30H182276	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	C	046174	780316	52	65	30.20	10	780316	82	65	45	30.18
50124	5H27H114206	031	373	351	8	2	2	1	1	2	2	2	1	1	1	2	R	070365	780613	62	61	30.20	20	780613	72	62	57	30.10
50127	5H11H552648	033	394	351	8	2	2	1	1	2	1	2	1	1	1	2	H	033695	780614	62	70	30.15	20	780614	67	58	58	30.12
50155	5A93H501222	033	399	351	8	2	2	1	1	2	1	2	1	1	1	2	K	015630	780626	74	47	30.05	03	780626	82	68	48	30.06
50168	5H27H181183	031	373	351	8	2	2	1	1	2	2	2	1	1	1	2	H	070657	780629	67	60	30.05	13	780629	79	66	53	30.03
50177	5H04H500252	033	394	351	8	2	2	1	1	2	1	2	1	1	1	2	L	078785	780706	68	61	30.10	10	780706	80	66	47	30.06
50179	5H07H544243	033	394	351	8	2	2	1	1	2	1	2	1	1	1	2	E	081509	780706	75	55	30.00	10	780706	85	72	53	29.98
50180	5H08H558493	033	394	351	8	2	2	1	1	2	1	2	1	1	1	2	G	067453	780706	75	54	30.00	05	780706	86	72	50	29.98
50232	5H30H180059	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	H	043047	780802	70	62	30.03	10	780802	82	70	55	30.00
50311	5A43H136380	031	373	351	8	2	2	1	1	2	1	2	1	1	1	2	B	048550	780907	61	69	29.95	10	780907	75	62	47	29.92
50347	5H27H113649	031	373	351	8	2	2	1	1	2	1	2	1	1	1	2	J	070294	780926	72	53	29.95	15	780926	80	68	54	29.96
50369	5H40H192808	031	373	351	8	2	2	1	1	2	1	2	1	1	1	2	G	073029	781005	74	35	29.90	10	781005	80	60	29	29.94
50372	5H31H130351	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	K	048054	781006	74	34	30.00	05	781006	82	65	39	29.99
50439	5H18H544873	033	394	351	8	2	2	1	1	2	1	2	1	1	1	2	D	063985	781102	52	68	30.21	05	781102	71	57	41	30.24
50457	5H40H154512	031	373	351	8	2	2	1	1	2	1	2	1	1	1	2	M	047243	781109	52	53	30.20	00	781109	69	55	39	30.25
50497	5H31H152322	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	L	086120	781205	48	60	30.05	05	781205	70	55	36	30.35
50507	5H27H114207	031	373	351	8	2	2	1	1	2	1	2	1	1	1	2	J	076908	781207	40	63	30.25	00	781207	75	57	30	30.43
54004	5H42H161582	031	373	351	8	2	2	1	1	2	1	2	1	1	1	2	A	029353	770923	58	90	30.05	07	770923	71	65	72	29.74
54039	5G30H168389	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	D	062100	780411	54	67	30.25	05	780411	62	51	45	30.20
56018	5H42H101223	031	373	351	8	2	2	1	1	2	1	2	1	1	1	2	A	043966	780125	41	96	30.15	20	780125	56	52	76	30.18
56028	5H31H151707	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	B	047652	780310	52	72	29.95	00	780310	62	59	84	29.96
56035	5H42H145703	031	373	351	8	2	2	1	1	2	1	2	1	1	1	2	L	082998	780814	66	66	30.20	20	780814	81	66	47	30.16
60019	6H30H101003	031	343	351	8	2	2	1	1	2	2	2	1	1	1	2	C	030105	780213	50	59	29.80	10	780213	60	53	63	29.92
60038	6H40H163175	031	373	351	8	2	2	1	1	2	2	2	1	1	1	2	O	015565	780306	50	99	30.00	10	780306	67	62	75	29.92
60062	6H07H502580	033	394	351	8	2	2	1	1	2	1	2	1	1	1	2	C	019622	780321	67	60	29.65	15	780321	70	60	53	29.88
60131	6H31H125105	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	M	067598	780519	80	40	29.90	10	780519	83	68	46	29.98
60207	6G30H177307	031	343	351	8	2	2	1	1	2	2	2	1	1	1	2	E	025529	780622	65	69	30.00	25	780622	71	60	52	30.04
60297	6H31H126032	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	L	052260	780804	77	47	30.10	15	780804	85	73	56	30.04
60339	6A93S561380	033	336	400	8	2	2	1	1	2	1	2	1	1	1	2	B	022358	780825	71	50	30.05	10	780825	77	65	52	30.15
60340	6H10H508391	033	394	351	8	2	2	1	1	2	1	2	1	1	1	2	K	033958	780826	72	59	30.15	15	780826	79	66	50	30.12
60362	6H10H545071	033	394	351	8	2	2	1	1	2	1	2	1	1	1	2	G	013657	780913	58	79	30.00	15	780913	72	63	61	29.96
60496	6H43H210717	031	373	351	8	2	2	1	1	2	2	2	1	1	1	2	G	023351	781017	68	59	30.15	10	781017	79	65	45	30.14
60710	6G30H253736	031	343	351	8	2	2	1	1	2	1	2	1	1	1	2	H	032540	790112	38	79	29.85	07	790112	58	50	56	30.16
64007	6G25H142357	031	373	351	8	2	2	1	1	2	2	2	1	1	1	2	A	026952	771114	52	92	30.15	07	771114	67	65	90	30.20
66047	6A93H507465	033	399	351	8	2	2	1	1	2	1	2	1	1	1	2	C	049182	781229	32	42	30.10	75	781229	65	50	31	30.32

APPENDIX A - LISTING OF VEHICLES

CELL NO=32 MODEL YR(S)=1975,1976

MAKE=FORD MODEL=ELITE LTD

																			------DEO DATA------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50079	5G21H123431	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	L	030150	780517	64	56	30.15	20	780517	77	60	35	30.26
50188	5G21H164004	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	D	038866	780710	70	50	30.05	00	780710	75	62	47	30.04
50284	5J66H107282	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	J	052077	780824	67	64	30.15	10	780824	84	66	39	30.08
50342	5G21H182910	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	B	051124	780922	60	67	30.10	06	780922	73	64	61	30.08
50354	5G21H217246	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	F	016674	780928	68	57	30.20	25	780928	79	64	43	30.19
50427	5J66H107273	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	J	101526	781030	51	62	30.35	35	781030	67	54	41	30.28
50448	5G21H183920	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	B	080046	781106	55	56	30.05	05	781106	67	55	42	30.16
50451	5G21H104508	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	B	040824	781107	59	61	30.16	00	781107	75	61	44	30.12
50494	5G21H164810	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	M	068492	781201	52	65	29.90	10	781201	73	60	46	30.00
50502	5J63H146424	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	E	050685	781206	40	66	30.20	05	781206	66	53	40	30.30
50528	5G21H153856	031	316	351	8	2	2	1	1	2	2	2	1	1	1	2	L	054340	781226	37	65	30.00	45	781226	60	50	48	30.00
50559	5G21H104545	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	J	050137	790117	40	49	30.00	20	790117	68	52	31	29.93
54015	5J63H134325	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	A	009126	771130	47	85	30.35	00	771130	70	67	86	30.38
54029	5P68H171919	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	A	033817	780110	48	93	29.70	25	780110	73	71	91	29.87
54041	5G21H141408	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	B	035071	780419	53	87	29.75	00	780419	65	53	44	29.87
60042	6J63H169311	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	A	007225	771230	40	99	30.00	15	771230	66	62	80	30.08
60118	6J63H124607	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	K	022237	780516	56	83	30.25	20	780516	72	59	45	30.32
60159	6J62H149774	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	G	023959	780606	76	46	30.00	20	780606	88	72	46	29.99
60168	6J63H106911	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	K	041178	780607	85	52	30.00	15	780607	82	68	48	30.16
60170	6G21H133199	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	H	015520	780608	78	43	30.30	05	780608	85	70	47	29.92
60175	6J68H180594	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	K	026407	780609	62	73	30.00	25	780609	75	63	51	29.98
60252	6J63H109310	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	H	030797	780720	84	50	30.00	15	780720	92	73	34	29.96
60261	6G21H109481	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	O	030260	780726	68	59	30.10	20	780726	74	63	54	30.05
60304	6G21H203704	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	E	025357	780809	78	47	30.00	15	780809	85	71	56	29.97
60346	6G21H240494	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	G	034125	780828	74	60	30.05	20	780828	90	74	47	29.92
60442	6J62H163735	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	G	007273	781004	71	45	30.08	05	781004	83	66	40	30.06
60458	6G21H174442	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	L	029058	781009	66	64	30.07	00	781009	71	62	60	30.08
60467	6J63H123622	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	G	028156	781011	66	46	30.30	15	781011	77	61	39	30.34
60470	6G21H182185	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	D	037612	781011	65	49	30.30	00	781011	75	60	40	30.30
60474	6J66H135297	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	L	019813	781011	64	53	30.35	10	781011	76	60	38	30.31
60484	6J62H102351	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	J	049650	781013	70	20	30.15	05	781013	78	57	24	30.13
60543	6J62H123047	031	345	351	8	2	2	1	1	2	1	2	1	1	1	2	H	037667	781101	55	52	30.20	40	781101	74	57	33	30.15
60571	6G21H235740	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	H	025747	781109	57	46	30.10	01	781109	70	55	38	30.24
60589	6G21H106082	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	L	048849	781115	42	59	30.08	20	781115	70	59	51	30.02
60685	6G21H106079	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	K	062443	781222	45	82	30.15	20	781222	75	62	47	30.07
60687	6G21H210501	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	E	028600	781226	38	68	30.00	55	781226	78	60	33	30.00
60700	6G21H114576	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	K	045451	790105	35	36	30.20	15	790105	63	50	37	30.28
64036	6G21H133195	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	A	015373	780109	44	99	29.75	15	780109	74	70	82	29.72
64038	6G21H124514	031	316	351	8	2	2	1	1	2	1	2	1	1	1	2	A	015740	780110	50	82	29.75	25	780110	61	58	84	29.88

APPENDIX A - LISTING OF VEHICLES

CELL NO=33 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=FORD ELITE MERC LTD

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50017	5Z63S560648	033	391	400	8	2	2	1	1	2	1	2	1	1	1	2	H	014252	780224	51	78	29.85	25	780224	67	59	62	29.92
50025	5J64S133619	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	C	047200	780315	52	61	30.20	00	780315	71	58	45	30.26
50055	5J66S101380	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	C	018572	780503	62	48	30.15	15	780503	66	55	48	30.18
50064	5J72S124385	031	371	400	8	2	2	1	1	2	1	2	1	1	1	2	G	039418	780523	58	48	29.93	20	780523	70	57	44	29.94
50086	5J65S142922	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	D	063437	780523	58	52	29.80	08	780523	75	59	37	29.94
50115	5G21S117392	031	316	400	8	2	2	1	1	2	1	2	1	1	1	2	K	056490	780609	70	47	30.00	15	780609	71	60	52	29.96
50134	5P74S123508	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	L	034006	780615	65	52	30.29	10	780615	72	59	45	30.22
50143	5J70S147337	031	313	400	8	2	2	1	1	2	2	2	1	1	1	2	E	038613	780620	78	45	29.95	10	780620	86	71	47	29.96
50156	5P66S123575	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	M	062534	780626	83	37	29.85	25	780626	92	75	45	29.86
50185	5J63S127165	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	M	039879	780707	65	59	30.10	15	780707	72	60	49	30.10
50191	5P64S116476	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	L	032023	780710	66	59	30.10	10	780710	70	60	55	30.03
50202	5J66S105340	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	J	052684	780713	76	51	30.00	15	780713	96	76	39	29.98
50213	5J76S109304	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	J	043283	780719	73	55	30.00	10	780719	90	76	58	30.01
50270	5J76S102015	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	K	050282	780822	65	70	29.98	00	780822	73	61	50	29.96
50276	5G21S173712	031	316	400	8	2	2	1	1	2	1	2	1	1	1	2	D	026980	780822	62	76	29.90	30	780822	76	66	59	29.82
50265	5J63S130195	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	F	066996	780829	70	64	30.00	20	780829	78	67	56	29.92
50302	5P63S136420	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	F	036608	780905	64	67	29.80	15	780905	82	65	39	29.84
50316	5J74S137400	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	D	105196	780911	60	73	29.70	15	780911	70	62	64	30.13
50323	5J76S135363	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	B	024980	780913	66	55	30.15	10	780913	72	63	61	29.94
50356	5Z76A548101	033	391	460	8	2	3	1	1	2	1	2	1	1	1	2	E	029585	780929	68	53	30.08	15	780929	64	68	43	30.04
50362	5J62S139376	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	H	045238	781003	74	46	30.15	15	781003	73	65	57	30.14
50534	5G21S182275	031	316	400	8	2	2	1	1	2	1	2	1	1	1	2	G	043030	790102	26	36	30.10	30	790102	78	56	27	30.38
50551	5G21S141401	031	316	400	8	2	2	1	1	2	1	2	1	1	1	2	L	041868	790115	41	70	29.95	25	790115	75	58	34	30.17
54016	5G21S176594	031	316	400	8	2	2	1	1	2	1	2	1	1	1	2	A	015941	771130	49	83	30.47	10	771130	73	70	86	30.38
50031	5J64S139337	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	E	039877	780327	58	76	30.00	25	780327	74	64	58	30.09
60034	6J70S122045	031	313	400	8	2	2	1	1	2	2	2	1	1	1	2	C	017840	780306	52	80	30.95	10	780306	74	67	69	30.26
60061	6G21S276567	031	316	400	8	2	2	1	1	2	1	2	1	1	1	2	L	015970	780321	67	59	29.65	15	780321	68	61	67	29.76
60066	6J76S133542	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	C	034874	780327	62	71	29.90	15	780327	72	64	65	30.06
60069	6J74S177172	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	C	029914	780329	56	88	29.80	03	780329	64	59	84	30.04
60074	6J64S158881	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	F	015558	780331	56	63	29.55	15	780331	77	66	67	29.60
60092	6J70S125423	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	B	024394	780505	60	57	30.20	25	780505	75	58	34	30.26
60301	6J65S107179	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	K	031347	780807	81	44	30.00	15	780807	81	70	57	29.97
60447	6J74S169618	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	J	022208	781005	74	25	29.96	15	781005	85	63	32	29.96
60004	6J63S126902	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	A	036848	781127	46	58	30.25	10	781127	70	55	36	30.20
60014	6J64S117285	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	L	038417	781129	56	85	30.05	10	781129	67	60	66	29.98
60019	6J70S177098	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	H	027323	781130	54	70	29.90	01	781130	70	58	48	29.77
60706	6J74S140429	031	313	400	8	2	2	1	1	2	1	2	1	1	1	2	E	028348	790108	36	76	29.18	10	790108	60	50	48	29.74
64024	6J68S106753	031	345	400	8	2	2	1	1	2	1	2	1	1	1	2	B	030892	771228	36	50	29.70	10	771228	77	75	51	29.86
60032	6G21S241740	031	316	400	8	2	2	1	1	2	1	2	1	1	1	2	G	014554	780404	50	80	30.00	10	780404	65	59	70	29.90

APPENDIX A - LISTING OF VEHICLES

CELL NO=34 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70075	7W35L532052	033	392	250	6	2	1	1	1	2	2	2	1	1	1	2	E	010293	780510	52	85	29.95	05	780510	66	56	53	30.11
70144	7W82L186000	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	U	015484	780616	64	58	30.20	15	780616	80	65	44	30.09
70148	7W64L151911	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	M	016930	780616	68	57	30.00	25	780616	74	62	50	30.15
70173	7W81L145755	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	M	012696	780628	81	47	29.90	05	780628	92	76	48	29.86
70192	7W82L206327	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	F	008105	780712	74	59	30.00	05	780712	94	71	31	29.99
70215	7K92L165464	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	G	009836	780721	82	42	29.90	15	780721	96	76	39	29.86
70250	7K92L106518	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	J	015152	780726	69	59	30.10	15	780726	77	65	52	30.06
70263	7W81L256169	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	J	002408	780810	60	52	29.95	15	780810	82	72	61	29.92
70275	7K92L170452	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	K	004458	780814	68	78	30.00	15	780814	75	68	70	29.94
70293	7W81L171338	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	B	029273	780818	64	75	30.25	15	780818	74	63	54	30.03
70314	7X91L141324	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	C	008596	780826	76	51	30.05	00	780828	87	72	40	30.04
70349	7W34L546418	033	392	250	6	2	1	1	1	2	2	2	1	1	1	2	L	013634	780914	61	69	30.17	12	780914	75	64	54	30.15
70355	7W34L559207	033	392	250	6	2	1	1	1	2	2	2	1	1	1	2	M	017261	780915	60	43	30.15	15	780915	78	62	39	30.24
70369	7K92L121999	031	347	250	6	2	1	1	1	2	1	2	1	1	1	2	C	013083	780920	64	59	30.10	05	780920	75	63	51	30.11
70374	7W81L213356	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	H	014405	780921	64	59	30.00	00	780921	73	60	46	29.97
70395	7W34L534044	033	392	250	6	2	1	1	1	2	2	2	1	1	1	2	G	014679	781003	72	46	30.15	10	781003	82	62	30	30.14
70403	7W82L285262	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	K	010678	781004	69	55	30.15	03	781004	77	64	48	30.05
70413	7K30L503704	033	334	250	6	2	1	1	1	2	2	2	1	1	1	2	A	020577	781006	66	64	30.09	02	781006	70	61	59	30.06
70424	7K92L125023	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	J	015207	781013	70	20	30.15	05	781013	78	57	24	30.13
70435	7W81L173092	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	B	022262	781018	72	49	30.10	05	781018	84	65	34	30.08
70443	7W82L173060	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	C	025461	781019	66	61	30.00	02	781019	75	64	43	29.94
70453	7K92L117313	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	B	013473	781023	56	56	30.25	10	781023	71	56	37	30.19
70507	7K92L146080	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	D	010803	781108	60	66	30.20	05	781108	75	60	40	30.17
70508	7W82L275834	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	D	008135	781108	55	55	30.20	05	781108	70	57	44	30.18
70519	7K91L172341	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	G	004681	781110	50	20	30.30	00	781110	70	51	22	30.26
70531	7W82L197443	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	E	038230	781115	52	70	30.20	10	781115	71	60	52	30.14
70565	7X91L132531	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	D	016041	781130	54	79	29.80	03	781130	64	56	60	29.74
70580	7K30L503545	033	334	250	6	2	1	1	1	2	2	2	1	1	1	2	L	020708	781204	40	56	30.07	10	781204	64	51	38	30.19
70581	7K92L130070	031	347	250	6	2	1	1	1	2	2	2	1	1	1	2	K	019937	781204	39	69	30.23	05	781204	66	53	40	30.15
70583	7W84L264950	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	H	013184	781205	46	60	30.15	40	781205	74	56	30	30.33
70611	7W81L206331	031	342	250	6	2	1	1	1	2	1	2	1	1	1	2	D	018012	781218	38	68	30.15	20	781218	72	56	34	30.19
70655	7W82L196579	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	E	014848	790115	40	72	29.95	45	790115	68	54	38	30.16
70663	7W34L540260	033	392	250	6	2	1	1	1	2	2	2	1	1	1	2	F	023540	790116	36	75	30.00	35	790116	70	55	50	30.16
76004	7W35L501037	033	392	250	6	2	1	1	1	2	2	2	1	1	1	2	A	005895	771116	52	75	30.25	11	771116	74	58	42	30.40
76013	7W82L151930	031	342	250	6	2	1	1	1	2	2	2	1	1	1	2	A	011019	780126	44	99	30.25	10	780126	73	61	53	30.26

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                                    APPENDIX A - LISTING OF VEHICLES
CELL NO=35    MODEL YR(S)=1977
   MAKE=FORD MERC                   MODEL=MAVERICK GRANADA COMET MONARCH
                                                                                   -------DEQ DATA-------   -----HTS DATA------
EPA NO VEH IDENT NO   MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE    F RH BARO  QT  DATE   DB WB RH BARO
70003  7W34F544437     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  D   000840 770928 66 90 30.10 01 770928 72 63 61 30.18
70004  7W61F233243     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  E   003580 770928 59 85 29.05 14 770928 71 68 81 29.87
70005  7W81F233236     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  E   000325 770922 62 62 30.02 04 770922 76 70 74 30.10
70006  7W34F545135     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  D   002045 770928 63 89 29.90 00 770928 72 69 82 29.96
70010  7W82F159351     031  342  302 8 2 2  1  1  2  2  2  2  1  1  2  A   005791 780116 46 90 29.40 20 780116 66 62 85 29.33

70025  7W37F518795     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  M   017309 780213 50 59 29.80 15 780213 63 54 55 29.94
70052  7W34F544434     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  D   009389 780419 56 88 29.70 15 780419 63 56 64 29.82
70067  7W82F197441     031  342  302 8 2 2  1  1  2  2  2  2  1  1  2  E   017856 780518 74 45 30.10 10 780518 85 67 37 30.11
70143  7W35F506088     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  L   018635 780616 62 64 30.20 05 780616 84 66 32 30.09
70164  7W82F254071     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  G   007054 780623 64 62 30.15 20 780623 72 62 57 30.10

70174  7W83F145149     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  L   007968 780628 84 44 29.85 20 780628 87 74 54 29.86
70178  7W37F506372     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  L   016453 780706 67 63 30.00 00 780706 72 63 61 30.09
70194  7W84F156793     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  B   020624 780724 84 45 29.90 15 780724 92 77 50 29.90
70201  7W62F264953     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  H   008280 780718 63 65 30.20 05 780718 73 63 57 30.14
70223  7W84F149756     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  M   014253 780724 72 65 30.00 25 780724 84 72 56 29.96

70237  7W82F113604     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  K   027051 780728 74 55 30.00 20 780728 73 62 53 30.12
70244  7W83F100041     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  H   010820 780804 70 54 30.15 05 780804 80 66 47 30.15
70261  7W82F126022     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  K   016881 780810 76 51 29.95 10 780810 82 67 44 29.96
70266  7W64F122025     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  K   023790 780810 70 56 29.90 05 780810 79 64 43 29.88
70288  7W84F113758     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  J   022979 780817 68 57 30.25 20 780817 84 66 37 30.22

70337  7W84F173861     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  B   011303 780908 58 78 29.80 05 780908 74 64 58 29.79
70376  7W81F106008     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  B   007945 780922 64 61 30.10 05 780922 75 63 51 30.07
70392  7W38F553517     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  F   015473 781002 72 43 30.22 00 781002 73 61 50 30.21
70408  7W34F513365     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  L   024704 781006 75 32 30.00 02 781006 79 61 34 30.00
70420  7W81F273023     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  G   017944 781011 64 53 30.40 15 781011 69 57 47 30.25

70484  7W81F276936     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  H   017202 781101 55 54 30.20 50 781101 73 57 35 30.14
70492  7W35F509093     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  M   012171 781103 57 76 30.20 15 781103 69 60 59 30.14
70553  7W35F554095     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  F   015560 781127 42 68 30.15 05 781127 67 54 41 30.08
70566  7W84F231555     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  G   015296 781129 57 80 30.05 10 781129 65 59 70 30.04
70629  7W81F116243     031  342  302 8 2 2  1  1  2  2  2  2  1  1  2  J   017469 781228 32 42 30.10 45 781228 67 51 30 30.32

70631  7W83F270631     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  H   020679 790102 28 36 30.10 40 790102 68 50 23 30.40
70664  7W81F102516     031  342  302 8 2 2  1  1  2  2  2  2  1  1  2  L   009687 790116 37 76 30.00 12 790116 65 53 44 30.14
74006  7W35F512799     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  A   008123 771128 50 95 30.10 06 771128 63 61 89 30.18
74014  7W81F143550     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  A   004606 780112 50 88 30.20 20 780112 69 62 67 30.15
76008  7W38F516984     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  A   010089 780112 50 86 30.20 20 780112 59 58 89 30.12

76009  7W64F163202     031  342  302 8 2 2  1  1  2  2  2  2  1  1  2  A   019477 780113 44 94 29.80 20 780113 70 63 68 29.79
76010  7W62F156000     031  342  302 8 2 2  1  1  2  1  2  2  1  1  2  A   016492 780110 48 84 29.75 15 780110 64 56 56 29.64
76021  7W37F517586     033  392  302 8 2 2  1  1  2  1  2  2  1  1  2  M   023698 780228 48 80 29.90 20 780228 60 50 48 29.76
76047  7K92F121358     031  347  302 8 2 2  1  1  2  2  2  2  1  1  2  G   007194 781226 37 65 30.05 35 781226 74 57 33 29.99
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                                    APPENDIX A - LISTING OF VEHICLES
CELL NO=36    MODEL YR(S)=1977
   MAKE=FORD MERC                   MODEL=T-BIRD LTD-II COUGAR
                                                                                   -------DEQ DATA-------   -----HTS DATA------
EPA NO VEH IDENT NO   MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE    F RH BARO  QT  DATE   DB WB RH BARO
70065  7A93H518921     033  399  351 8 2 2  1  1  2  1  2  1  1  1  2  A   032530 780502 62 63 30.05 20 780502 65 53 44 30.29
70069  7A93H506350     033  399  351 8 2 2  1  1  2  1  2  1  1  1  2  M   022387 780504 52 80 30.05 05 780504 73 58 39 30.32
70070  7J87H160384     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  D   016288 780505 60 56 30.15 20 780505 69 57 47 30.13
70086  7J62H106113     031  345  351 8 2 2  1  1  2  2  2  2  1  1  2  J   019939 780518 70 55 30.15 05 780518 82 68 48 30.14
70103  7A93H570526     033  399  351 8 2 2  1  1  2  1  2  2  1  1  2  E   009551 780526 55 70 30.00 45 780526 67 60 66 30.04

70155  7J62H194183     031  345  351 8 2 2  1  1  2  1  2  2  1  1  2  G   006573 780620 60 70 30.00 20 780620 77 66 56 30.08
70162  7J87H226763     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  L   005487 780622 68 60 30.00 20 780622 73 61 50 30.04
70165  7J62H129667     031  345  351 8 2 2  1  1  2  1  2  2  1  1  2  B   018432 780711 63 66 30.05 00 780711 78 66 53 30.00
70196  7J87H138675     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  D   010027 780714 82 47 29.90 10 780714 90 74 47 29.95
70200  7A93H501049     033  399  351 8 2 2  1  1  2  1  2  2  1  1  2  K   025202 780717 68 60 30.10 00 780717 77 65 52 30.11

70241  7A93H549590     033  399  351 8 2 2  1  1  2  1  2  2  1  1  2  C   016271 780731 78 49 30.00 15 780731 78 65 49 30.06
70258  7J87H115905     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  L   020879 780808 82 40 30.00 08 780808 86 72 50 29.96
70292  7J87H150493     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  L   016485 780818 68 60 30.25 15 780818 79 64 43 30.11
70327  7J87H198644     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  F   013878 780905 66 62 29.80 15 780905 80 65 44 29.82
70345  7J87H226087     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  H   013133 780912 59 69 30.10 20 780912 72 62 57 30.10

70393  7J87H205698     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  H   010909 781002 72 41 30.15 05 781002 87 64 25 30.15
70411  7J65H178835     031  345  351 8 2 2  1  1  2  1  2  2  1  1  2  E   019476 781006 73 38 29.99 07 781006 84 66 37 29.99
70417  7J87H115906     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  L   016110 781010 69 51 30.20 05 781010 77 60 35 30.25
70418  7J87H199442     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  F   019566 781010 70 50 30.20 10 781010 77 61 39 30.25
70419  7J87H161397     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  D   021542 781011 66 47 30.32 02 781011 75 60 40 30.01

70440  7J87H133823     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  A   015899 781016 62 60 30.10 10 781018 75 61 44 30.03
70488  7J63H213855     031  345  351 8 2 2  1  1  2  1  2  2  1  1  2  M   017470 781102 56 65 30.25 16 781102 67 57 53 30.20
70490  7A93H538253     033  399  351 8 2 2  1  1  2  1  2  2  1  1  2  B   013338 781102 54 75 30.35 10 781102 72 61 53 30.22
70500  7J87H220039     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  J   020556 781106 57 53 30.05 00 781106 71 52 23 30.18
70528  7P62H139712     031  345  351 8 2 2  1  1  2  1  2  2  1  1  2  E   039538 781115 46 38 30.05 30 781115 63 50 37 30.02

70549  7J87H227979     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  J   012475 781127 42 59 30.30 05 781127 75 57 30 30.24
70555  7J87H122984     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  A   020662 781128 51 69 30.25 20 781128 55 50 70 30.19
70560  7J87H205901     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  G   012918 781129 55 80 30.05 10 781129 70 62 64 30.00
70578  7J87H195241     031  372  351 8 1 2  1  1  2  1  2  2  1  1  2  F   019847 781202 50 68 29.90 07 781202 50 58 56 30.15
70587  7J87H122976     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  B   012858 781206 38 70 30.25 10 781206 64 52 43 30.30

70591  7J63H215019     031  345  351 8 2 2  1  1  2  1  2  2  1  1  2  J   007709 781207 40 66 30.07 00 781207 75 57 39 30.43
70596  7J87H162609     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  M   014057 781209 45 79 30.25 10 781209 65 55 52 30.42
70605  7J63H203387     031  345  351 8 2 2  1  1  2  1  2  2  1  1  2  H   015311 781214 44 75 30.25 25 781214 63 55 60 30.20
70643  7J87H115903     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  L   011159 790105 37 36 30.20 25 790105 62 51 45 30.24
70648  7J87H120008     031  372  351 8 2 2  1  1  2  1  2  2  1  1  2  J   022534 790106 35 32 30.20 15 790106 52 41 35 30.16
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APPENDIX A - LISTING OF VEHICLES

CELL NO=38   MODEL YR(S)=1977

MAKE=FORD MERC   MODEL=FCRD T-BIRD LTD-II MERC COUGAR

																			-------DEQ DATA-------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70110	7J67S136674	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	B	008835	780602	76	41	29.96	20	780602	88	70	40	29.91
70113	7J74S101315	031	313	400	8	2	2	1	1	2	1	2	2	1	1	2	B	038806	780605	84	40	29.95	20	780605	88	72	46	29.92
70170	7J64S101343	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	L	024311	780627	76	49	29.90	10	780627	84	71	53	29.85
70222	7J64S176626	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	F	008817	780724	74	60	30.00	15	780724	83	73	56	29.96
70225	7J74S107663	031	313	400	8	2	2	1	1	2	2	2	2	1	1	2	J	033683	780725	80	53	29.95	15	780725	94	76	49	29.94
70226	7A53S586990	033	395	400	8	2	2	1	1	2	1	2	2	1	1	2	J	013710	780725	88	44	29.90	10	780725	92	77	50	29.90
70242	7J74S204337	031	313	400	8	2	2	1	1	2	1	2	2	1	1	2	G	013358	780801	66	66	30.05	10	780801	86	72	46	30.03
70250	7J87S206489	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	G	022239	780804	67	55	30.20	10	780804	78	68	57	30.19
70254	7J87S165213	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	D	026837	780807	87	38	30.00	05	780807	89	75	47	30.02
70309	7J87S203090	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	H	014573	780824	69	62	30.10	10	780824	75	63	51	30.00
70315	7H25F191139	031	345	302	8	2	2	1	1	2	2	2	2	1	1	2	M	016018	780826	75	58	30.05	25	780828	82	70	55	30.00
70323	7A53S564156	033	399	400	8	2	2	1	1	2	1	2	2	1	1	2	E	015093	780901	74	57	29.80	15	780901	82	69	51	29.80
70331	7J67S104774	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	K	029862	780907	60	70	29.95	15	780907	72	61	53	29.93
70363	7J74S106116	031	313	400	8	2	2	1	1	2	1	2	2	1	1	2	K	017948	780916	60	50	30.15	15	780918	76	60	38	30.19
70380	7J62S111192	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	M	035324	780926	70	57	29.90	10	780926	82	66	42	29.93
70421	7J67S191333	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	K	022157	781012	64	50	30.35	15	781012	75	59	37	30.30
70422	7J65S164602	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	L	018244	781012	66	43	30.30	20	781012	82	64	36	30.27
70423	7A93S544667	033	395	400	8	2	2	1	1	2	1	2	2	1	1	2	C	012588	781013	70	26	30.25	02	781013	79	58	25	30.22
70425	7J87S117001	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	M	018352	781014	66	31	30.15	05	781014	67	53	37	30.09
70450	7274S503256	033	391	400	8	2	2	1	1	2	1	2	2	1	1	2	J	022598	781020	62	70	30.10	15	781020	77	65	52	30.04
70460	7J87S174609	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	E	021635	781031	52	51	30.30	10	781031	67	53	37	30.18
70493	7J87S161396	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	D	019275	781103	58	76	30.15	40	781103	73	63	57	30.08
70503	7274S555924	033	391	400	8	2	2	1	1	2	1	2	2	1	1	2	B	044382	781107	60	52	30.20	10	781107	76	61	41	30.16
70504	7J74S206697	031	313	400	8	2	2	1	1	2	2	2	2	1	1	2	G	023304	781107	61	53	30.20	05	781107	72	61	53	30.14
70517	7P65S146212	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	H	024347	781110	47	30	30.35	04	781110	68	51	25	30.31
70544	7J67S175831	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	E	021208	781121	46	42	30.00	05	781121	73	54	25	29.94
70571	7J74S217573	031	313	400	8	2	2	1	1	2	1	2	2	1	1	2	H	018401	781201	53	64	29.90	15	781201	68	56	46	29.97
70610	7J74S176627	031	313	400	8	2	2	1	1	2	1	2	2	1	1	2	F	029172	781218	38	68	30.05	30	781218	60	50	48	30.15
70628	7J64S166762	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	F	033325	781228	32	44	30.10	75	781228	65	50	31	30.14
70646	7A93S580571	033	395	400	8	2	2	1	1	2	1	2	2	1	1	2	E	025514	790105	28	36	30.20	20	790105	69	55	39	30.18
70647	7J63S104855	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	K	031704	790106	34	33	30.20	15	790106	68	50	23	30.17
70651	7J74S157220	031	313	400	8	2	2	1	1	2	1	2	2	1	1	2	D	020125	790112	36	76	29.85	05	790112	70	58	48	30.16
70660	7J67S110319	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	L	040928	790116	39	76	30.00	60	790116	72	55	31	30.18
70662	7J67S210650	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	H	019061	790116	41	71	29.95	23	790116	75	58	34	30.16
70665	7J63S176631	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	E	023213	790116	38	75	29.98	20	790116	70	55	36	30.16
74004	7P65S132065	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	A	009352	771018	56	94	29.90	10	771018	68	59	58	30.06
74015	7J67S130174	031	372	400	8	2	2	1	1	2	1	2	2	1	1	2	A	007841	780113	40	93	29.80	10	780113	70	65	77	29.62
74016	7J65S107144	031	345	400	8	2	2	1	1	2	1	2	2	1	1	2	J	014761	780221	51	86	30.30	05	780221	64	55	74	30.32
74021	7P74S132069	031	313	400	8	2	2	1	1	2	1	2	2	1	1	2	A	024229	780116	47	85	29.30	25	780116	67	63	60	29.32

APPENDIX A - LISTING OF VEHICLES

CELL NO=39   MODEL YR(S)=1975,1976

MAKE=CHEV   MODEL=VEGA

																			-------DEQ DATA-------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50035	1V77B5U140540	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	H	019006	780316	54	80	30.00	00	780316	78	64	46	30.04
50063	1V77B5U10954	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	B	032537	780522	66	50	30.08	20	780522	72	57	38	29.96
50102	1V77B5U134522	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	B	013831	780602	82	38	29.90	20	780602	86	72	50	30.00
50105	1V15B5U197155	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	J	023020	780605	87	32	29.93	20	780605	91	74	45	29.94
50109	1V77B5U179867	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	M	013636	780607	76	46	30.20	00	780607	76	63	48	30.12
50116	1V77B5U271202	043	488	140	4	2	2	1	1	2	1	2	2	1	1	2	L	033584	780609	68	55	30.00	20	780609	71	62	60	29.98
50138	1V77B5U186284	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	J	028017	780617	78	53	30.00	20	780617	82	67	46	30.00
50170	1V15B5U216162	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	K	031217	780630	74	52	30.00	15	780630	84	69	46	29.98
50174	1V77B5U119712	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	A	035642	780705	64	58	30.20	10	780705	82	68	48	30.14
50196	1V15B5U110963	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	E	022001	780713	80	39	29.95	00	780713	86	71	47	29.98
50224	1V77B5U172566	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	C	041679	780728	70	53	30.10	10	780728	86	72	50	30.05
50234	1V77B5U171996	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	C	039553	780803	79	48	30.10	15	780803	74	65	59	30.20
50243	1V15B5U250444	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	G	022924	780808	77	63	30.05	10	780808	77	67	59	30.02
50250	1V15B5U202410	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	J	030014	780809	86	34	29.95	10	780809	87	70	42	29.92
50307	1V15B5U106267	043	488	140	4	2	2	1	1	2	1	2	2	1	1	2	K	041977	780906	69	51	29.80	15	780906	76	63	48	29.65
50330	1V77B5U153303	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	L	025947	780918	62	54	30.20	10	780918	77	62	42	30.20
50365	1V77B5U216503	043	488	140	4	2	2	1	1	2	1	2	2	1	1	2	F	042746	781005	64	48	30.05	05	781005	72	59	45	30.04
50382	1V15B5U211509	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	H	024029	781011	66	45	30.30	10	781011	78	62	39	30.33
50384	1V15B5U116452	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	B	031892	781012	60	55	30.35	10	781012	69	56	51	30.34
50452	1V15B5U110450	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	D	052135	781107	59	60	30.15	05	781107	74	60	43	30.13
50455	1V77B5U216140	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	C	040254	781108	52	60	30.20	02	781108	65	53	44	30.19
50461	1V15B5U106353	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	D	032986	781110	51	20	30.30	10	781110	72	51	18	30.29
50518	1V15B5U126450	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	J	053259	781215	44	66	30.25	10	781215	71	56	45	30.48
50546	1V15B5U127250	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	M	064321	790111	36	76	29.80	00	790111	68	54	38	29.76
56037	1V77B5U116076	043	488	140	4	2	2	1	1	2	1	2	2	1	1	2	L	046890	780929	70	50	30.10	15	780929	73	64	61	30.08
60057	1V77B6U226475	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	F	016892	780316	61	63	30.05	00	780316	68	56	54	30.12
60276	1V77B6U127269	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	B	011168	780801	70	62	30.00	30	780801	90	74	47	30.01
60365	1V77B6U216840	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	E	041721	780913	60	76	30.00	00	780913	72	63	61	29.97
60460	1V11B6U259591	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	G	031595	781013	70	39	30.25	10	781013	77	57	26	30.22
60540	1V77B6U221947	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	E	018464	781031	55	48	30.23	15	781031	68	53	34	30.28
60626	1V77B6U209645	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	J	008846	781205	42	60	30.05	03	781205	67	53	37	30.32
60655	1V77B6U110479	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	K	022372	781214	46	75	30.25	30	781214	71	59	48	30.22
60661	1V15B6U172000	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	G	019146	781221	44	82	30.25	06	781221	70	58	48	30.30
60727	1V15B6U150039	043	488	140	4	2	2	1	1	2	1	2	2	1	1	2	B	029875	790118	38	54	30.05	40	790118	51	43	50	30.20
60731	1V77B6U209164	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	H	011104	790119	39	79	30.10	05	790119	60	50	53	30.26
66026	1V15B6U112068	043	488	140	4	2	2	1	1	2	2	2	2	1	1	2	C	016406	780328	58	76	29.85	05	780328	71	64	68	29.93

APPENDIX A - LISTING OF VEHICLES

CELL NO=40 MODEL YR(S)=1975,1976

MAKE=CHEV MODEL=VEGA MONZA

																			DEO DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50081	1V1585U168043	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	B	033189	780519	78	43	30.00	05	780519	83	67	45	29.98
50152	1V15854251268	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	M	021961	780614	62	70	30.15	20	780614	66	57	57	30.19
50164	1V7785U176688	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	K	030873	780628	76	49	29.85	25	780628	92	76	48	29.87
50166	1V7785C103375	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	K	030647	780628	82	46	29.85	15	780628	92	78	53	29.84
50172	1V7785U159215	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	M	059987	780705	63	58	30.20	20	780705	70	59	51	30.18
50216	1V7765C107700	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	K	027244	780721	71	60	29.95	10	780721	82	73	65	29.92
50239	1V7765U211440	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	F	046084	780807	81	44	30.00	20	780807	99	78	39	29.94
50309	1V7765U223699	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	G	036358	780906	67	57	29.85	10	780906	74	61	47	29.84
50325	1V7765U182152	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	D	056897	780914	66	51	30.19	15	780914	75	62	47	30.23
50366	1V7785U166015	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	D	053981	781012	66	47	30.30	10	781012	75	60	40	30.26
50390	1V1565U172843	043	488	140	4	1	2	1	1	2	1	2	2	1	1	2	D	056774	781012	69	39	30.25	05	781012	77	58	29	30.24
50391	1V1565U210385	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	G	043215	781013	70	24	30.20	05	781013	82	59	23	30.21
50405	1V7765U167448	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	G	021120	781023	62	49	30.20	10	781023	73	57	35	30.13
50415	1V7765U177060	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	F	059920	781025	57	47	30.00	00	781025	70	54	33	29.97
50420	1V1565U255316	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	H	039706	781027	52	72	30.20	10	781027	65	56	56	30.04
50429	1V7785U231474	043	486	140	4	1	2	1	1	2	1	2	2	1	1	2	L	014955	781031	52	52	30.20	00	781031	70	54	33	30.18
50470	1V1565U241314	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	H	025748	781116	54	75	30.20	20	781116	70	60	55	30.12
50505	1V1565C111244	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	M	085563	781207	40	64	30.08	05	781207	65	52	39	30.40
50513	1V7785C110632	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	D	034942	781211	42	70	30.50	25	781211	71	57	41	30.48
50526	1V1585U198206	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	F	034115	781221	43	81	30.15	30	781221	65	57	61	30.28
54032	1V1185C110343	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	A	025435	780113	42	91	30.00	10	780113	71	65	72	29.92
56013	1V1565C111008	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	A	035043	780117	50	93	29.75	15	780117	60	54	68	29.85
56016	1V7765C107598	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	A	065068	780118	50	89	29.85	00	780118	71	59	48	29.76
56033	1V7765U182103	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	F	040629	780330	51	81	29.90	00	780330	65	57	61	29.68
60002	1V1166U170535	043	488	140	4	1	2	1	1	2	1	2	2	1	1	2	A	019047	780116	48	99	29.35	05	780116	62	55	64	29.36
60010	1R0786C123801	043	484	140	4	1	2	1	1	2	2	2	2	1	1	2	A	017617	780131	44	99	29.90	20	780131	69	61	63	29.78
60259	1V7786U129969	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	C	010152	780726	83	51	29.95	05	780726	83	73	55	29.99
60323	1V1586U109989	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	D	019776	780821	66	64	30.03	30	780821	75	63	51	30.00
60375	1V7786U217368	043	488	140	4	1	2	1	1	2	1	2	2	1	1	2	E	035780	780911	63	62	30.10	30	780911	73	63	51	30.12
60379	1V7786U224863	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	E	036949	780912	59	67	30.10	10	780912	72	62	57	30.10
60566	1V7786U161534	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	E	032238	781108	53	58	30.20	05	781108	66	53	40	30.18
60603	1V7786U116592	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	L	026784	781127	42	62	30.30	00	781127	80	59	26	30.24
60652	1V7766U234883	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	F	040547	781213	40	58	30.50	00	781213	66	52	36	30.50
60677	1V7766U214755	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	G	028456	781220	38	76	30.15	05	781220	68	50	23	30.30
60719	1V1566417295U	043	488	140	4	1	2	1	1	2	2	2	2	1	1	2	B	050571	790116	38	75	29.98	10	790116	65	53	44	30.14
64020	1R0766C118251	043	484	140	4	1	2	1	1	2	2	2	2	1	1	2	A	020083	771215	44	94	29.70	00	771215	68	67	95	29.80

APPENDIX A - LISTING OF VEHICLES

CELL NO=41 MODEL YR(S)=1975,1976

MAKE=CHEV PONT OLDS MODEL=NOVA CAMARO VENTURA FBIRD CUTLASS OMEGA

																			DEO DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50108	1X27D5L157540	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	E	026996	780607	76	48	30.20	20	780607	87	69	35	30.02
50110	1X27D5L134526	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	E	021292	780608	70	50	30.10	05	780608	86	70	40	30.00
50230	1X69D5W191751	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	H	031407	780731	70	65	30.05	15	780731	76	65	55	30.06
50246	1Y27D5L140610	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	C	045048	780808	76	53	30.05	20	780808	80	69	57	30.00
50266	1X27D5W188769	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	H	033009	780816	66	63	30.00	20	780816	74	63	54	30.00
50327	1X17D5L122929	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	M	013826	780915	60	53	30.15	15	780915	71	58	45	30.18
50361	1X69D5L138942	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	H	031596	781002	70	46	30.15	05	781002	82	63	33	30.14
50364	1X69D5L151678	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	G	024538	781003	70	49	30.05	10	781003	81	64	39	30.08
50443	2Y69D5L110544	045	402	250	6	2	1	1	1	2	1	2	2	1	1	2	F	028292	781104	55	51	30.05	06	781104	72	56	34	30.27
50454	1Y69D5L137364	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	E	023803	781108	59	59	30.20	05	781108	72	59	45	30.17
50496	2Y69D5L113692	045	402	250	6	2	1	1	1	2	1	2	2	1	1	2	J	052129	781204	45	63	30.10	15	781204	69	54	38	30.34
56014	1X69D5L101820	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	A	037187	780117	50	90	29.80	20	780117	61	55	68	29.87
56015	1Y27D5L105547	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	A	033712	780117	50	90	29.70	25	780117	57	53	77	29.89
60005	1X69D6L121924	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	A	025819	780118	48	78	29.70	10	780118	58	52	66	29.70
60108	1Y27D6L109476	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	K	037850	780512	60	60	30.10	20	780512	68	57	50	29.82
60165	1Y27D6L152304	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	G	012376	780607	72	52	30.10	20	780607	75	64	54	30.20
60183	1X17D6L110541	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	L	018442	780623	68	52	30.00	10	780623	73	62	53	30.11
60237	3B17D6L106326	044	449	250	6	2	1	1	1	2	2	2	2	1	1	2	D	008565	780712	74	56	30.00	20	780712	75	66	44	30.02
60243	1X17D6L112862	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	L	074588	780714	80	47	29.95	15	780714	94	72	33	29.97
60247	1G87D6L533899	043	439	250	6	2	1	1	1	2	2	2	2	1	1	2	H	020349	780719	71	59	30.00	15	780719	90	74	47	30.04
60273	1X27D6L114472	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	M	032792	780728	72	53	30.10	15	780728	85	71	44	30.06
60356	1X27D6L119872	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	B	019058	780901	75	54	29.80	10	780901	85	71	49	29.81
60357	1X17D6L103430	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	J	033265	780901	74	57	29.80	15	780901	87	72	48	29.80
60409	1X27D6L110196	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	M	026049	780921	64	49	30.00	10	780921	74	60	43	29.97
60449	1X69D6L125399	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	B	036124	781005	75	25	29.95	15	781005	84	62	26	29.94
60506	1X17D6L126329	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	D	022368	781019	68	54	30.00	15	781019	79	64	43	29.97
60520	1X69D6L147185	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	F	020785	781025	69	45	30.10	12	781025	74	56	29	30.03
60569	1Y27D6L102391	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	J	030928	781109	53	53	30.20	00	781109	69	56	43	30.26
60585	1X27D6L143480	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	F	024032	781114	45	41	30.15	05	781114	68	52	31	30.12
60592	2S87D6N569171	045	455	250	6	2	1	1	1	2	2	2	2	1	1	2	F	021111	781116	52	76	30.20	05	781116	72	61	53	30.14
60660	1X27D6L113262	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	L	018364	781215	44	67	30.25	15	781215	75	59	37	30.44
60667	1Y69D6L108894	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	K	012987	781219	36	68	30.10	15	781219	60	49	43	30.20
60707	3J57F6M374620	044	444	260	8	2	2	1	1	2	1	2	2	1	1	2	F	034886	790112	38	79	29.85	05	790112	58	57	94	30.16
64023	1X27D6L124315	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	A	026243	771220	42	58	30.10	10	771220	71	69	93	30.16
66005	1X69D6L121273	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	A	032290	771110	56	90	30.05	11	771110	72	69	86	30.01
66016	1Y27D6L103488	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	A	029887	771230	40	99	30.00	15	771230	74	72	91	29.50
66027	1X27D6L136586	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	D	013504	780301	48	56	29.60	15	780301	70	63	68	29.68

Reproduced from
best available copy.

APPENDIX A - LISTING OF VEHICLES

CELL NO=42 MODEL YR(S)=1975,1976

MAKE=CHEV MODEL=MALIBU CAMARO MONTE CARLO LAGUNA

																			DEO DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50014	1C37H5K430144	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	C	040464	780221	53	85	30.30	05	780221	58	54	77	30.34
50163	1H57H52447918	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	E	027546	780627	83	36	29.85	25	780627	88	74	51	29.80
50183	1D37H52421735	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	L	040486	780707	68	63	30.00	10	780707	87	73	53	29.90
50203	1E37H52453542	043	481	350	8	2	2	1	1	2	1	2	2	1	1	2	G	020549	780714	82	45	29.95	05	780714	91	75	42	29.94
50205	1D35H52464890	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	H	027635	780718	62	66	30.15	10	780718	78	67	56	30.10
50227	1C37H52437945	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	J	037217	780801	65	66	30.05	05	780801	87	73	57	30.02
50229	1D29H52451560	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	G	032583	780801	64	68	30.10	25	780801	74	64	58	30.06
50237	1D29H52425029	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	M	076612	780807	78	45	30.05	20	780807	94	76	43	30.00
50318	1C35H52448336	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	D	029904	780911	62	71	30.10	00	780911	74	64	58	30.12
50333	1H57H52404926	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	L	049003	780919	60	56	30.25	05	780919	79	62	37	30.25
54005	1H57H52435952	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	V	025488	771005	64	62	30.10	00	771005	74	70	62	29.92
56017	1D29H52439066	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	A	061441	780118	48	80	29.70	20	780118	67	58	58	29.71
56020	1D37H5K417269	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	A	033222	780127	38	97	30.30	20	780127	61	53	58	30.20
56029	1D37H52420328	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	D	029528	780316	51	69	30.20	14	780316	78	63	43	30.24
60004	1H57V62400560	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	A	026711	780117	48	99	29.70	20	780117	60	55	73	29.80
60050	1D35V62438511	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	C	027700	780313	50	73	30.05	15	780313	61	58	84	30.26
60053	1H57V62420628	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	C	032157	780313	46	76	30.25	00	780313	64	59	74	30.39
60056	1D35V62424636	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	B	025875	780314	42	84	30.25	00	780314	71	60	52	30.33
60123	1H57V62407549	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	K	046371	780517	66	58	30.15	05	780517	68	57	50	30.25
60129	1H57V62400063	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	K	035439	780519	72	66	30.05	10	780519	83	72	61	30.05
60179	1D29V62459276	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	F	050892	780614	62	63	30.10	05	780614	67	60	66	30.08
60193	1H57V62417259	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	M	046522	780619	78	50	30.00	15	780619	86	71	47	29.97
60197	1H57V62400167	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	M	021539	780620	60	70	30.00	20	780620	72	63	61	30.10
60401	1H57V62401658	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	H	029349	780920	58	67	30.15	10	780920	76	63	48	30.13
60450	1H57V62419160	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	E	046436	781005	74	33	29.95	04	781005	81	60	26	29.94
60451	1C35V62451403	043	482	350	8	2	2	1	1	2	2	2	2	1	1	2	F	021860	781006	72	44	30.00	02	781006	78	64	46	30.01
60503	1H57V62461666	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	H	027696	781018	65	57	30.05	15	781018	71	60	52	30.02
60547	1D35V62433769	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	D	019651	781103	56	77	30.25	30	781103	69	61	63	30.16
60549	1D37V62440700	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	D	029335	781103	58	76	30.15	35	781103	67	60	66	30.09
60586	1H57V62401503	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	J	039823	781114	45	42	30.15	05	781114	73	54	25	30.10
60594	1H57V62452208	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	E	050957	781116	54	75	30.20	05	781116	69	55	55	30.13
60665	1D67L6L505030	043	439	350	8	2	3	1	1	2	1	2	2	1	1	2	D	037203	781215	40	69	30.20	00	781215	62	52	50	30.36
64015	1H57V62427137	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	B	031103	771207	39	51	29.59	10	771207	64	63	95	30.12
64046	1H57V62426728	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	B	026502	780414	46	94	29.70	05	780414	62	52	50	29.77
64055	1D29V62410975	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	M	064441	781128	52	71	30.20	10	781128	62	54	59	30.16
66022	1D37V62425806	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	B	026975	780130	46	65	30.00	15	780130	53	49	75	29.90
66033	1C35V62417055	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	B	026240	780404	50	85	29.80	10	780404	57	53	77	29.88
66039	1H57V62401016	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	F	035772	780914	60	73	30.17	12	780914	76	65	55	30.15
66045	1H57V62406705	043	483	350	8	2	2	1	1	2	1	2	2	1	1	2	K	049968	781221	44	80	30.10	25	781221	65	56	56	30.08

APPENDIX A - LISTING OF VEHICLES

CELL NO=43 MODEL YR(S) 1975,1976

MAKE=CHEV MODEL=BELAIR IMPALA CAPRICE MALIBU WAGON

																			DEO DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50003	1L47H5J229821	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	B	026306	780118	46	98	29.70	30	780118	58	53	72	29.82
50004	1L47H5J224102	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	B	031052	780124	40	90	30.25	15	780124	69	57	47	30.38
50012	1L47H5J175429	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	M	028524	780214	50	70	30.00	15	780214	67	61	71	29.92
50013	1L47H5J162020	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	L	031775	780221	52	85	30.30	20	780221	70	63	68	30.31
50026	1L57H5J148321	043	478	350	8	2	2	1	1	2	2	2	2	1	1	2	C	024598	780314	46	72	30.25	05	780314	62			30.34
50032	1L47H5J100840	043	478	350	8	2	2	1	1	2	2	2	2	1	1	2	C	025533	780316	61	51	30.10	10	780316	69	59	55	30.12
50036	1L69H5S155287	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	C	019862	780322	61	68	29.70	20	780322	61	56	73	29.74
50038	1L69H5J205681	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	C	037932	780328	59	77	29.88	02	780328	76	66	59	29.90
50040	1L57H5J160150	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	C	024461	780330	52	90	29.95	00	780330	65	58	66	30.02
50042	1L57H5S126360	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	C	016010	780405	50	75	29.73	20	780405	61	58	84	29.86
50045	1N69H5S122679	043	472	350	8	2	2	1	1	2	1	2	2	1	1	2	G	072857	780421	54	76	29.90	20	780421	60	52	58	30.00
50046	1D35H5D570221	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	G	051544	780424	62	59	29.70	15	780424	75	59	37	29.74
50051	1N47H5J191725	043	472	350	8	2	2	1	1	2	1	2	2	1	1	2	D	043123	780428	58	62	30.05	05	780428	71	58	45	30.16
50059	1L47H5J110008	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	L	031872	780505	56	66	30.25	20	780505	76	56	36	30.29
50117	1L39H5J231276	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	F	071871	780612	68	57	30.00	15	780612	73	61	53	30.03
50118	1K69H5J177963	043	436	350	6	2	2	1	1	2	1	2	2	1	1	2	A	027060	780612	68	54	30.05	20	780612	70	59	51	30.10
50133	1L47H5J224702	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	F	032335	780615	62	56	30.26	25	780615	72	60	49	30.25
50153	1N69H5J157925	043	472	350	8	2	2	1	1	2	1	2	2	1	1	2	M	034288	780624	68	56	30.10	15	780624	60	66	47	30.07
50171	1N69H5J249257	043	472	350	8	2	2	1	1	2	1	2	2	1	1	2	J	037825	780630	67	63	30.05	05	780630	71	59	48	30.15
50164	1L69H5J110735	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	J	016580	780707	67	64	30.03	10	780707	87	73	53	29.90
50187	1L69H5J195112	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	B	044285	780710	64	57	30.20	10	780710	75	62	47	30.07
50259	1K69H5J117665	043	436	350	8	2	2	1	1	2	1	2	2	1	1	2	J	036109	780814	68	76	30.00	15	780814	79	69	60	29.94
50338	1L57H5J109707	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	K	033944	780921	62	58	30.05	10	780921	69	59	55	30.01
50349	1L69H5J131711	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	K	034776	780927	70	42	30.15	20	780927	82	65	39	30.16
50402	1L57H5J183563	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	H	027071	781020	60	65	30.11	00	781020	72	60	45	30.06
54035	1L39H5J100870	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	D	043593	780403	60	50	29.50	10	780403	69	61	63	29.64
56022	1L39H5J110102	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	M	027085	780215	46	81	30.20	10	780215	56	52	76	30.25
60099	1N69V6J187022	043	472	350	8	2	2	1	1	2	1	2	2	1	1	2	E	027662	780509	56	88	29.80	10	780509	69	59	55	29.90
60101	1L47V6J143569	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	L	033512	780509	56	69	29.90	10	780509	64	54	51	29.95
60111	1L39V6J151605	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	F	035987	780512	57	78	29.75	20	780512	70	57	44	29.86
60114	1L69V6J160672	043	478	350	8	2	2	1	1	2	2	2	2	1	1	2	M	029833	780515	56	80	30.20	20	780515	71	56	45	30.29
60117	1D35V62462961	043	482	350	8	2	2	1	1	2	1	2	2	1	1	2	H	021002	780516	60	75	30.20	20	780516	70	57	44	30.28
60306	1L69V6J290374	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	E	021717	780814	70	58	30.18	15	780814	84	68	43	30.12
60341	1N39V6J195332	043	472	350	8	2	2	1	1	2	1	2	2	1	1	2	A	024735	780825	68	63	30.20	10	780825	86	70	44	30.11
60351	1L47V6J329157	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	A	063709	780830	66	68	29.90	15	780830	76	65	55	29.92
60423	1N69V6J145615	043	472	350	8	2	2	1	1	2	1	2	2	1	1	2	K	008726	780927	70	48	30.20	20	780927	77	64	48	30.18
60522	1L39V6J265037	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	E	042274	781026	49	59	30.15	05	781026	72	56	34	30.09
60574	1N69V6J266427	043	472	350	8	2	2	1	1	2	1	2	2	1	1	2	E	035284	781109	48	47	30.25	10	781109	70	53	29	30.22
60656	1L69V6J261709	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	E	032940	781214	46	74	30.25	05	781214	66	55	48	30.24
60678	1L47V6J271192	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	D	034608	781221	44	78	30.15	15	781221	75	60	40	30.32
66044	1L39V6J253639	043	478	350	8	2	2	1	1	2	1	2	2	1	1	2	D	025460	781103	58	76	30.15	30	781103	69	61	63	30.11

APPENDIX A - LISTING OF VEHICLES

CELL NO=44   MODEL YR(S)=1976

MAKE=CHEV   MODEL=MCAZA NOVA CAMARO LT

EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DEQ DATA					HTS DATA				
																			DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50523	1X27H5L101743	043	486	350	8	2	2	1	1	2	2	2	2	1	1	2	C	043247	781218	38	68	30.10	15	781218	60	48	39	30.16
60006	1Y69Q6L110097	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	A	008213	780119	50	83	29.80	15	780119	66	58	61	30.09
60008	1Y27Q6L100732	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	A	013924	780120	50	95	30.00	20	780120	58	51	61	30.48
60016	1X17Q6L101431	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	C	008371	780208	52	60	29.40	15	780208	64	57	65	29.32
60032	1X27Q6L137743	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	G	022640	780303	40	80	29.70	00	780303	70	63	68	29.46
60035	1R07Q6C128566	043	484	305	8	2	2	1	1	2	1	2	2	1	1	2	G	016574	780307	52	85	29.85	25	780307	65	62	85	29.91
60048	1Y69Q6L157849	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	G	032190	780309	48	75	30.00	00	780309	62	57	74	30.05
60055	1X27Q6L145916	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	F	022435	780314	42	83	30.25	00	780314	67	65	90	30.34
60058	1Y69Q6L149290	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	F	011320	780317	58	80	29.90	00	780317	65	57	61	30.12
60063	1X69Q6L147030	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	F	013776	780325	52	90	29.75	00	780325	63	57	69	30.13
60068	1X69Q6L118160	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	M	034138	780329	54	90	29.70	15	780329	69	61	63	29.86
60079	1Y17Q6L112824	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	B	049405	780428	55	81	30.05	45	780428	62	56	69	30.18
60110	1Y69Q6L135599	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	E	025009	780515	60	80	29.75	05	780515	68	56	46	29.88
60116	1Y17Q6L111337	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	L	010103	780515	60	75	30.20	15	780515	74	59	39	30.28
60132	1S87Q6N556386	043	439	305	8	2	2	1	1	2	2	2	2	1	1	2	A	023136	780519	80	39	29.93	15	780519	65	54	48	30.12
60136	1X27Q6L111633	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	L	037447	780524	65	47	29.95	05	780524	66	56	53	29.99
60147	1S87Q6N509208	043	439	305	8	2	2	1	1	2	1	2	2	1	1	2	L	018932	780601	80	25	30.00	15	780601	84	66	37	29.88
60150	1Y69Q6L121066	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	A	032861	780601	82	22	29.90	05	780601	82	62	30	29.86
60156	1Y69Q6L130440	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	E	026830	780605	89	30	29.90	20	780605	80	61	32	30.00
60192	1X69Q6L126728	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	B	023563	780619	73	53	30.05	15	780619	86	70	44	29.98
60214	1X17Q6L131150	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	C	024762	780630	70	53	30.00	20	780630	84	70	49	30.00
60219	1Y27Q6L155016	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	J	021710	780705	63	58	30.15	22	780705	71	60	52	30.15
60241	1Y27Q6L141577	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	G	046624	780713	74	55	30.00	10	780713	90	74	43	29.98
60310	1Y27Q6L160840	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	J	020683	780815	71	48	29.95	10	780815	75	61	44	29.95
60316	1Y27Q6L116192	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	M	040943	780818	64	63	30.25	15	780818	77	64	48	30.17
60318	1X69Q6L122653	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	H	024099	780818	68	58	30.25	15	780818	88	68	35	30.09
60366	1Y69Q6L154439	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	H	021477	780913	60	75	30.15	25	780913	75	65	58	30.15
60414	1X17Q6L137623	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	D	047441	780925	64	66	30.10	10	780925	75	64	54	30.06
60416	1Y17Q6L160222	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	H	032947	780925	62	76	29.92	30	780925	76	66	59	29.94
60471	1X27Q6L123103	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	D	026143	781011	66	47	30.30	10	781011	78	61	36	30.31
60489	1X27Q6L137025	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	K	015476	781016	68	60	30.10	07	781016	76	64	51	30.08
60497	1S87Q6N514101	043	439	305	8	2	2	1	1	2	1	2	2	1	1	2	C	047934	781017	70	56	30.15	10	781017	79	65	46	30.11
60550	1Y17Q6L161905	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	K	018457	781103	58	78	30.10	00	781103	70	62	64	30.06
60552	1Y27Q6L162039	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	K	045727	781106	58	54	30.05	10	781106	72	57	38	30.28
60575	1X17Q6L118242	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	M	056832	781110	41	32	30.35	05	781110	69	51	24	30.31
60665	1X69Q6K116977	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	E	029299	781215	37	67	30.10	10	781215	58	48	40	30.17
60712	1X17Q6L145247	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	E	038829	790113	38	75	29.85	10	790113	65	53	44	30.20
60716	1X27Q6L145405	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	K	015318	790116	40	75	30.00	40	790116	69	55	39	30.16
66025	1X69Q6K115474	043	486	305	8	2	2	1	1	2	1	2	2	1	1	2	D	010276	780218	48	98	30.25	20	780218	70	63	68	30.35
66035	1X69Q6L127200	043	486	305	8	2	2	1	1	2	2	2	2	1	1	2	B	018856	780407	58	58	29.93	10	780407	64	52	43	31.00

APPENDIX A - LISTING OF VEHICLES

CELL NO=45   MODEL YR(S)=1976

MAKE=CHEV   MODEL=MALIBU MALIBU CLASSIC MONTE CARLO

EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DEQ DATA					HTS DATA				
																			DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
60011	1D29Q6Z424084	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	B	012771	780201	52	82	29.60	10	780201	61	57	78	29.89
60078	1H57Q6Z426097	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	B	051826	780424	67	52	29.60	15	780424	76	59	34	29.70
60120	1C37Q6Z410211	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	K	048804	780517	61	65	30.20	20	780517	74	59	39	30.24
60127	1C37Q6Z408909	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	L	027317	780516	74	45	30.00	10	780518	81	66	47	30.10
60157	1D29Q6Z482054	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	H	040201	780605	81	42	29.99	20	780605	92	75	46	29.92
60160	1D37Q6Z458710	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	J	012311	780606	76	43	30.00	20	780606	85	70	47	30.00
60167	1D37Q61449440	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	C	019316	780607	72	52	30.20	20	780607	86	70	44	30.19
60188	1D37Q61427867	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	A	048623	780619	70	51	30.05	20	780619	73	68	78	30.02
60215	1D29Q6Z457406	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	G	047958	780630	70	55	30.05	10	780630	86	70	44	29.99
60222	1D37Q6Z408860	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	L	010641	780706	67	63	30.00	00	780706	75	65	58	30.08
60233	1D37Q6Z440742	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	D	053469	780711	64	66	30.05	05	780711	75	64	54	30.00
60276	1D29Q6Z487561	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	J	007588	780801	64	66	30.05	20	780801	76	65	55	30.05
60277	1D29Q6Z459909	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	K	025556	780801	64	67	30.05	05	780801	80	67	50	30.04
60284	1H57Q6Z463385	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	F	052441	780802	73	61	30.03	10	780802	82	71	58	30.02
60329	1C37Q6Z473123	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	A	028138	780822	62	80	29.80	15	780822	70	64	72	29.84
60394	1D37Q6Z402861	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	B	082827	780915	64	45	30.22	08	780915	79	62	37	30.24
60411	1D29Q6Z486442	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	K	016172	780921	60	65	30.10	10	780921	69	62	67	30.06
60422	1D37Q6Z400873	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	M	047434	780927	66	57	30.20	40	780927	77	65	52	30.17
60429	1D29Q60404801	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	G	037827	780929	72	50	30.12	29	780929	74	63	54	30.11
60438	1D37Q6Z414257	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	H	031752	781003	70	53	30.05	10	781003	81	65	47	30.08
60446	1H57Q6Z441893	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	G	024986	781005	67	46	30.05	05	781005	74	60	43	30.03
60472	1D37Q6Z410682	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	L	024763	781011	64	53	30.35	10	781011	78	60	33	30.30
60555	1C37Q6Z458885	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	E	027848	781106	56	56	30.05	00	781106	61	52	54	30.17
60556	1D37Q6Z460003	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	F	015016	781107	60	53	30.15	05	781107	74	60	43	30.17
60591	1D37Q6Z456021	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	F	040407	781114	52	69	30.15	05	781114	74	60	43	30.12
60595	1C37Q6Z423763	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	E	011486	781117	58	54	30.25	10	781117	69	56	43	30.24
60608	1H57Q6Z438308	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	D	013445	781128	50	75	30.15	05	781128	59	56	83	30.10
60609	1D29Q6Z443592	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	D	017757	781128	50	77	30.15	10	781128	64	56	60	30.06
60617	1H57Q6Z420868	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	F	035647	781130	52	80	29.75	15	781130	68	59	55	29.68
60625	1D29Q6Z406825	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	H	009481	781205	46	55	30.05	05	781205	76	58	31	30.32
60630	1H57Q6Z443910	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	D	026348	781206	40	67	30.22	10	781206	67	53	37	30.30
60641	1D29Q6Z430356	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	D	027715	781208	40	57	30.25	17	781208	68	54	38	30.42
60643	1C29Q6Z403348	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	H	018891	781211	42	68	30.50	15	781211	72	57	38	30.53
60649	1D29Q6Z425795	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	D	043724	781213	45	48	30.50	03	781213	70	54	33	30.32
60659	1D29Q6Z479428	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	J	023880	781215	44	68	30.25	10	781215	69	57	47	30.47
66001	1D37Q6Z421405	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	A	014295	771004	57	60	29.95	40	771004	74	71	86	29.96
66023	1D29Q6Z429234	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	C	029445	780215	43	90	30.20	16	780215	59	53	67	30.24

APPENDIX A - LISTING OF VEHICLES

```
CELL NO=46     MODEL YR(S)=1976,1977
   MAKE=CHEV                          MODEL=CHEVETTE
                                                                                     ------DEQ DATA------     -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE   DB WB RH BARO

60083  1B08E6Y231646  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  M   015429 780501 64 63 30.05 25 780501 76 60 38 30.15
60094  1B08E6Y152947  043  488  098 4 2 1  1  1  2  1  2  2  1  1  2  C   020097 780505 60 57 30.15 10 780505 75 59 37 30.12
60100  1B08E6Y155096  043  489  098 4 2 1  1  1  2  1  2  2  1  1  2  M   055752 780509 58 66 29.85 10 780509 65 55 52 29.93
60171  1B08E6Y163729  043  489  098 4 2 1  1  1  2  1  2  2  1  1  2  A   037250 780608 76 45 29.95 05 780608 85 70 46 29.90
60174  1B08E6Y182881  043  489  098 4 2 1  1  1  2  1  2  2  1  1  2  A   055025 780609 68 60 30.00 10 780609 74 60 43 29.96

60176  1B08E6Y131516  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  B   027352 780613 65 60 30.25 20 780613 72 61 53 30.10
60206  1B08E6Y171720  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  B   023637 780622 62 70 30.00 20 780622 70 60 55 30.03
60226  1B08E6Y234202  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  D   041933 780706 64 65 30.05 05 780706 72 63 61 30.01
60268  1B08E6Y15236[illegible]  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  A   009682 780728 74 54 30.05 25 780728 75 63 51 30.12
60274  1B08E6Y1744[illegible]2  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  C   034413 780731 64 63 30.05 20 780731 77 65 52 30.06

60266  1B08E6Y162125  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  B   032214 780802 71 62 30.02 10 780802 84 72 56 30.00
60345  1B08E6Y234257  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  D   044888 780828 69 64 30.05 25 780828 80 70 61 29.99
60361  1B08E6Y234812  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  D   039690 780906 68 55 29.80 10 780906 75 62 47 29.84
60367  1B08E6Y160565  043  489  098 4 2 1  1  1  2  1  2  2  1  1  2  E   014347 780907 64 62 29.95 05 780907 71 63 64 29.92
60450  1B08E6Y193066  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  F   021955 781016 68 60 30.10 05 781016 76 64 51 30.08

60501  1B08E6Y197146  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  F   023757 781018 70 53 30.05 00 781018 82 63 30 30.13
60533  1B08E6Y201109  043  489  098 4 2 1  1  1  2  1  2  2  1  1  2  E   044068 781030 52 70 30.40 10 781030 68 57 50 30.35
60546  1B08E6Y272777  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  G   015145 781103 56 76 30.25 25 781103 69 60 59 30.14
60563  1B08E6Y169773  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  G   007248 781113 46 43 30.25 00 781113 71 53 27 30.23
60607  1B08E6Y172283  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  E   045328 781128 50 69 30.25 05 781128 57 51 66 30.20

60631  1B08E6Y132136  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  L   025509 781206 42 63 30.20 15 781206 68 53 34 30.30
60645  1B08I6Y234131  043  489  065 4 2 1  1  1  2  2  2  2  1  1  2  D   037785 781212 42 69 30.50 15 781212 73 58 39 30.47
60657  1B08E6Y152549  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  M   025299 781214 46 75 30.23 10 781214 67 56 49 30.24
60658  1B08I6Y161624  043  489  065 4 2 1  1  1  2  2  2  2  1  1  2  M   054632 781215 44 67 30.25 10 781215 71 60 52 30.48
60673  1B08E6Y157439  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  A   030285 781219 37 68 30.10 05 781219 59 49 47 30.39

60660  1B08E6Y160548  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  A   047267 781221 43 80 30.05 25 781221 66 52 36 30.30
60715  1B08E6Y240201  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  F   020412 790115 40 49 29.95 15 790115 70 53 29 29.90
60732  1B08E6Y244952  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  J   033728 790117 40 79 30.10 05 790117 64 53 47 30.23
64013  1B08E6Y171293  043  489  098 4 2 1  1  1  2  2  2  2  1  1  2  A   025724 771201 34 98 29.90 15 771201 71 69 90 29.84
70022  1B08E7Y125072  043  488  098 4 2 1  1  1  2  2  2  1  1  1  2  L   009531 780503 60 48 30.15 20 780503 67 54 41 30.18

70080  1B08E7Y101070  043  489  098 4 2 1  1  1  2  2  2  1  1  1  2  L   016325 780515 54 83 30.20 20 780515 65 56 56 30.29
70226  1B08E7Y170520  043  489  098 4 2 1  1  1  2  2  2  1  1  1  2  E   017984 780726 77 57 30.00 45 780726 90 75 50 29.96
70320  1B08E7Y101707  043  489  098 4 2 1  1  1  2  2  2  1  1  1  2  C   004576 780830 68 64 29.95 25 780830 85 72 53 29.87
70330  1B08E7Y136225  043  489  098 4 2 1  1  1  2  2  2  1  1  1  2  M   007604 780905 66 62 29.90 00 780905 75 62 47 29.85
70388  1B08E7Y150070  043  489  098 4 2 1  1  1  2  2  2  1  1  1  2  M   012424 780930 67 68 30.00 00 780930 67 62 75 30.08

70400  1B08E7Y214424  043  489  098 4 2 1  1  1  2  2  2  1  1  1  2  K   006536 781004 70 47 30.08 05 781004 80 64 41 30.07
70463  1B08E7Y177330  043  489  098 4 2 1  1  1  2  2  2  1  1  1  2  E   025944 781025 60 42 30.05 10 781025 74 56 28 30.00
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APPENDIX A - LISTING OF VEHICLES

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CELL NO=47     MODEL YR(S)=1976,1977
   MAKE=CHEV                          MODEL=CHEVETTE
                                                                                     ------DEQ DATA------     -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE   DB WB RH BARO

60088  1B08I6Y115026  043  489  085 4 1 1  1  1  2  2  2  2  1  1  2  L   046984 780504 54 71 30.05 20 780504 66 54 44 30.16
60155  1B08E6Y126792  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  G   030680 780605 80 43 30.00 05 780605 94 76 43 29.95
60177  1B08E6Y162912  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  J   018448 780613 66 53 30.15 15 780613 67 59 62 30.10
60162  1B08E6Y276070  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  J   031735 780614 64 57 30.25 20 780614 65 56 56 30.19
60196  1B08I6Y154367  043  489  065 4 1 1  1  1  2  2  2  2  1  1  2  A   029315 780620 60 70 30.00 20 780620 75 64 54 30.06

60221  1B08E6Y154334  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  B   048508 780705 70 57 30.15 10 780705 84 69 46 30.11
60257  1B08E6Y270614  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  L   041434 780725 78 58 30.00 15 780725 86 74 57 29.96
60256  1B08E6Y270358  043  489  098 4 1 1  2  1  2  2  2  2  1  1  2  A   021356 780725 75 64 30.00 20 780725 90 76 52 29.96
60279  1B08E6Y166565  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  B   019791 780801 73 60 30.00 10 780801 84 72 56 30.00
60300  1B08E6Y177782  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  B   030608 780807 81 45 30.00 20 780807 94 75 40 29.95

60315  1B08E6Y232019  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  M   016491 780817 65 64 30.20 30 780817 75 63 51 30.18
60326  1B08E6Y214822  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  C   040419 780822 60 76 30.00 15 780822 74 65 61 29.85
60371  1B08E6Y221211  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  D   029800 780908 57 82 29.80 02 780908 74 64 58 29.76
60377  1B08I6Y167169  043  489  065 4 1 1  1  1  2  2  2  2  1  1  2  C   023911 780911 63 71 30.10 00 780911 74 63 54 30.12
60462  1B08E6Y237976  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  C   019124 781012 70 23 30.20 10 781012 79 58 25 30.18

60466  1B08E6Y264313  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  F   024654 781016 66 60 30.15 00 781016 73 62 53 30.08
60502  1B08E6Y236096  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  F   047662 781018 70 52 30.05 10 781018 72 63 57 30.01
60509  1B08E6Y169073  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  G   019555 781017 63 68 30.05 05 781017 76 64 51 30.02
60524  1B08E6Y262056  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  H   017003 781026 56 56 30.10 05 781026 74 58 36 30.04
60534  1B08E6Y221700  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  J   016450 781030 51 70 30.40 20 781030 62 55 64 30.35

60556  1B08I6Y272155  043  489  065 4 1 1  1  1  2  2  2  2  1  1  2  M   009638 781031 57 51 30.30 25 781031 73 57 35 30.24
60557  1B08I6Y107698  043  489  085 4 1 1  1  1  2  2  2  2  1  1  2  K   041254 781121 50 42 30.00 00 781121 66 53 40 29.93
60598  1B08I6Y100467  043  489  065 4 1 1  1  1  2  2  2  2  1  1  2  K   023665 781121 50 40 29.95 00 781121 69 51 24 29.91
60606  1B08E6Y113040  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  K   048218 781127 43 67 30.15 05 781127 67 54 41 30.10
60634  1B08E6Y232829  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  F   026237 781206 40 69 30.25 05 781206 68 54 38 30.31

60638  1B08I6Y135611  043  489  065 4 1 1  1  1  2  2  2  2  1  1  2  L   040769 781207 39 64 30.25 03 781207 67 53 37 30.41
60646  1B08E6Y232264  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  F   040581 781212 42 69 30.50 10 781212 73 57 35 30.46
60648  1B08I6Y276867  043  489  085 4 1 1  1  1  2  2  2  2  1  1  2  H   016238 781213 45 45 30.50 15 781213 70 55 36 30.36
60675  1B08E6Y2[illegible]  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  H   012204 781220 36 75 30.15 10 781220 66 50 23 30.30
60692  1B08I6Y159949  043  489  065 4 1 1  1  1  2  2  2  2  1  1  2  M   021910 781228 34 45 30.10 80 781228 65 50 31 30.14

60703  1B08E6Y126964  043  489  098 4 1 1  1  1  2  2  2  2  1  1  2  L   032792 790106 35 31 30.20 10 790106 54 40 22 30.14
60704  1B08E6Y283307  043  489  098 4 1 1  1  1  2  1  2  2  1  1  2  H   025210 790106 34 31 30.20 10 790106 55 42 28 30.14
64018  1B08E6Y252723  043  489  098 4 1 1  1  1  2  1  2  2  1  1  2  V   025538 771214 56 97 29.50 05 771214 75 72 82 29.87
70064  1B08I7Y111563  043  486  065 4 1 1  1  1  2  2  2  1  1  1  2  A   013029 780502 63 70 30.10 10 780502 72 60 49 30.16
70068  1B08E7Y211456  043  489  098 4 1 1  1  1  2  2  2  1  1  1  2  M   013370 780504 51 74 30.10 20 780504 75 60 40 30.16

70249  1B08E7Y214201  043  489  098 4 1 1  1  1  2  2  2  1  1  1  2  J   014789 780804 72 52 30.20 20 780804 54 69 46 30.13
70339  1B08E7Y214140  043  489  098 4 1 1  1  1  2  2  2  1  1  1  2  K   009607 780908 60 83 29.80 00 780908 75 67 66 29.70
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APPENDIX A - LISTING OF VEHICLES

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CELL NO=48    MODEL YR(S)=1975,1976
   MAKE=PONT                        MODEL=PCNT GRAND AM LEMANS CATALINA GRAND PRIX BONNEVILLE

                                                                                   ------DEW DATA-------     -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA LE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT   DATE  DB WB RH BARO
50053  2H37S5P131425  045  456  400 8 2 3  1  1  2  1  2  2  1  1  2  B  032123 780503 60 70 30.50 10  780503 70 56 40 30.29
50057  2L57S5X113522  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  E  071749 780504 56 65 30.05 20  780504 70 56 40 30.15
50064  2L35S5X101584  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  K  069470 780508 60 65 30.00 05  780508 72 59 45 30.12
50106  2K57S5P207193  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  C  028880 780607 [illegible] 52 30.20 20  780607 83 69 55 30.18
50107  2K57S5P173542  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  A  064950 780607 80 50 30.00 25  780607 82 67 48 30.16

50123  2K57S5P158561  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  A  041235 780613 64 63 30.10 10  780613 71 61 56 30.12
50156  2K57S5P171029  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  C  049392 780626 72 54 29.95 20  780626 92 74 42 29.90
50215  2L35S5X106147  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  E  038790 780721 80 45 29.93 15  780721 98 78 40 29.90
50228  2R47S5X145453  045  459  400 8 2 3  1  1  2  1  2  2  1  1  2  A  037016 780801 70 63 30.05 15  780801 84 72 56 30.00
50266  2K57S5A102689  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  C  048988 780828 78 50 30.05 03  780828 88 73 49 30.04

50295  2G29Z6P135590  045  498  400 8 2 3  1  1  2  1  2  2  1  1  2  B  069005 780831 69 64 29.90 20  780831 77 65 52 29.88
50357  2R47S5X144092  045  459  400 8 2 3  1  1  2  1  2  2  1  1  2  A  055478 780929 70 57 29.95 01  780929 83 68 46 29.94
50424  2K57S5P178507  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  M  039996 781030 52 69 30.38 02  781030 69 57 47 30.35
50440  2K57S5P252242  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  M  070940 781102 54 74 30.25 05  781102 72 61 53 30.22
50467  2L45S5X151207  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  M  025353 781114 42 48 30.25 05  781114 70 52 25 30.20

50555  2L45S5X156416  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  F  034244 790116 41 70 29.95 40  790116 75 58 34 30.17
50562  2K57S5P239943  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  K  070704 790117 38 50 29.95 02  790117 65 52 39 29.90
60085  2K57Z6P124994  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  K  029558 780503 56 65 30.20 20  780503 72 57 38 30.26
60086  2L35Z6X138774  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  L  033055 780503 58 65 30.20 15  780503 69 54 35 30.25
60087  2K57Z6P350567  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  H  032597 780503 60 56 30.15 20  780503 73 55 29 30.25

60096  2L35Z6X145849  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  J  029889 780508 69 48 29.95 20  780508 82 64 36 30.02
60104  2K57Z6P262331  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  E  020369 780510 58 69 29.85 10  780510 63 54 51 29.92
60112  2G37Z6P274580  045  498  400 8 2 3  1  1  2  1  2  2  1  1  2  D  019528 780515 60 82 29.89 20  780515 65 55 52 30.00
60216  2K57Z6P350413  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  H  009244 780630 70 54 30.00 15  780630 86 70 44 29.98
60263  2L69Z6X138326  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  U  016689 780726 70 55 30.05 20  780726 80 68 54 29.98

60313  2J57Z6P277722  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  E  015956 780817 65 64 30.20 20  780817 82 66 42 30.23
60349  2K57Z6P269867  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  F  017640 780830 70 64 30.00 20  780830 83 69 45 29.92
60360  2G29Z6P213473  045  498  400 8 2 3  1  1  2  1  2  2  1  1  2  F  016896 780905 65 62 29.60 15  780905 78 65 49 29.80
60363  2L35Z6X138774  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  F  039088 780906 68 54 29.80 20  780906 77 62 42 29.84
60437  2K57Z6P130062  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  B  037319 781002 72 40 30.15 05  781002 84 64 32 30.15

60485  2L57116X69529  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  H  061296 781013 70 20 30.15 03  781013 78 57 24 30.12
60517  2K57Z6P254539  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  D  039024 781024 57 63 30.15 10  781024 70 58 48 30.10
60602  2J57Z6P347760  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  G  035614 781122 44 52 30.10 00  781122 67 54 41 30.06
60613  2K57Z6P343231  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  J  020267 781129 54 82 30.05 15  781129 65 59 70 30.06
60618  2L57Z6X136791  045  453  400 8 2 3  1  1  2  1  2  2  1  1  2  G  052673 781130 54 69 29.80 10  781130 67 57 53 29.76

60620  2J57Z6P124301  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  L  034861 781201 56 60 29.90 01  781201 75 60 40 30.00
60623  2R49Z6P342672  045  459  400 8 2 3  1  1  2  1  2  2  1  1  2  J  019202 781202 48 74 30.00 03  781202 64 54 51 30.00
60609  2P35Z6X141846  045  452  400 8 2 3  1  1  2  1  2  2  1  1  2  G  044414 781219 36 68 30.10 10  781219 68 54 38 30.20
60686  2K57Z6P347408  045  457  400 8 2 3  1  1  2  1  2  2  1  1  2  K  025837 781226 37 65 30.00 48  781226 57 46 40 30.14
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APPENDIX A - LISTING OF VEHICLES

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CELL NO=49    MODEL YR(S)=1975,1976
   MAKE=BUICK OLDS                  MODEL=CUTLASS WAGON LASABRE OLDS 88 CENTURY WAGON REGAL

                                                                                   ------DEW DATA-------     -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA LE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT   DATE  DB WB RH BARO
50058  3N57K5M102374  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  K  030711 780504 54 77 30.22 05  780504 81 63 32 30.32
50061  3L69K5A122014  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  H  030063 780508 66 60 30.00 10  780508 81 62 30 30.08
50059  3N57K5M225921  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  E  060008 780602 84 26 29.90 05  780602 94 72 33 29.86
50137  4K35J5Z124258  041  417  350 8 2 3  1  1  2  1  2  2  1  1  2  J  025537 780616 74 46 30.00 05  780616 74 62 50 30.14
50176  4K45J5Z124913  041  417  350 8 2 3  1  1  2  1  2  2  1  1  2  G  025335 780706 67 65 30.00 00  780706 74 64 58 30.09

50194  4N57J5X144064  041  462  350 8 2 3  1  1  2  1  2  2  1  1  2  J  020090 780710 68 53 30.01 00  780710 77 69 67 30.02
50355  3J57K5M347506  044  494  350 8 2 3  1  1  2  2  2  2  1  1  2  H  023615 780929 70 54 30.00 30  780929 83 70 52 29.96
50383  3J57K5M330966  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  F  023703 781011 59 55 30.35 02  781011 66 56 49 30.34
50441  4K35J5Z118614  041  417  350 8 2 3  1  1  2  1  2  2  1  1  2  E  056318 781103 55 76 30.25 35  781103 70 61 59 30.17
50531  3H35K5R112591  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  L  060028 781228 38 42 30.10 99  781228 76 57 28 30.12

50537  3J57K5M213911  044  494  350 8 2 3  1  1  2  2  2  2  1  1  2  A  050924 790104 32 44 30.15 15  790104 79 59 28 30.38
54012  3J57K5M234564  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  A  025353 771114 57 97 30.02 14  771114 67 64 85 30.20
56023  3L57K5X103266  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  C  021267 780217 48 95 30.20 10  780217 59 55 78 30.20
60024  3J57R6M269245  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  B  017861 780218 48 98 30.25 20  780218 63 58 74 30.34
60033  3N69R6X120037  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  B  028827 780304 40 93 29.45 05  780304 57 55 88 30.04

60050  3529R6M262930  044  449  350 8 2 3  1  1  2  1  2  2  1  1  2  C  026502 780505 56 70 30.25 05  780505 71 57 41 30.32
60091  4K45J6M217040  041  417  350 8 2 3  1  1  2  1  2  2  1  1  2  J  029666 780505 56 66 30.25 10  780505 73 58 39 30.32
60109  3J29R6M241731  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  A  032652 780512 58 63 30.15 20  780512 71 56 37 30.20
60158  4P39J6X127249  041  462  350 8 2 3  1  1  2  1  2  2  1  1  2  C  030925 780606 74 46 30.01 20  780606 85 68 42 30.00
60161  3J57R6M132313  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  J  025607 780606 80 41 30.00 20  780606 90 72 41 29.98

60229  3L57R6X154556  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  H  045623 780710 70 50 30.20 15  780710 77 63 45 30.07
60314  3L39R6X145498  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  O  039113 780817 68 57 30.23 25  780817 79 65 46 30.22
60320  3J57R6M344417  044  494  350 8 2 3  1  1  2  2  2  2  1  1  2  D  036037 780821 66 68 30.00 10  780821 73 64 61 30.01
60321  3N69R6X164782  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  D  025998 780821 66 72 30.03 45  780821 75 65 58 30.00
60335  3J57R6M150267  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  K  062001 780824 66 71 29.80 20  780824 73 64 61 29.89

60355  4K45J6Z150086  041  417  350 8 2 3  1  1  2  1  2  2  1  1  2  G  024341 780901 75 54 29.80 10  780901 82 69 51 29.80
60362  4P39J6X165130  041  462  350 8 2 3  1  1  2  1  2  2  1  1  2  G  054525 780906 67 51 29.85 25  780906 76 64 51 29.85
60421  3L39R6X117208  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  K  042707 780926 72 48 29.95 20  780926 86 70 44 29.93
60427  4P39J6X104618  041  462  350 8 2 3  1  1  2  1  2  2  1  1  2  L  039074 780928 68 50 30.20 10  780928 80 65 44 30.20
60473  3J29R6M171734  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  M  041608 781011 64 53 30.30 10  781011 76 60 38 30.31

60478  4K35J6Z1339[illegible]  041  417  350 8 2 3  1  1  2  1  2  2  1  1  2  E  027923 781012 66 46 30.30 15  781012 75 59 37 30.28
60683  3J57R6M404068  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  F  020780 781222 44 82 30.10 10  781222 65 56 56 30.08
60696  3L39R6X118329  044  446  350 8 2 3  1  1  2  1  2  2  1  1  2  M  080018 790102 26 37 30.10 30  790102 60 47 34 30.37
60705  4P57J6X107299  041  462  350 8 2 3  1  1  2  1  2  2  1  1  2  K  031924 790106 36 76 29.80 00  790108 63 52 46 29.78
60706  3J29R6M181181  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  G  062004 790112 37 79 29.85 10  790112 58 50 56 30.15

64043  3J57R6M157432  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  B  026496 780216 44 88 30.10 20  780216 70 62 64 30.09
64054  3J57R6M353628  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  E  010684 781102 51 68 30.25 25  781102 71 57 41 30.25
64058  4P69J6X146060  041  462  350 8 2 3  1  1  2  1  2  2  1  1  2  F  071131 781213 46 50 29.95 05  781213 85 61 25 30.40
66019  3J57R6M226900  044  494  350 8 2 3  1  1  2  1  2  2  1  1  2  A  005613 780120 50 99 30.00 10  780120 64 58 65 30.04
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                         APPENDIX A - LISTING OF VEHICLES

CELL NO=50    MODEL YR(S)=1975,1976
   MAKE=PONT OLDS BUICK        MODEL=LASABRE ELECTRA RIVIERA 98 CSTM CRUISER ESTATE WAGON PONT
                                                                              ------DEQ DATA------   -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA CE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE   DB WB RH BARO

50074  2P45W5X152240  045  452  455 8 2 3  1  1  2  1  2  2  1  1  2  E  028472 780515 58 76 30.20 20 780515 71 58 45 30.29
50147  4P67T5X150340  041  462  455 8 2 3  1  1  2  1  2  2  1  1  2  J  023125 780621 60 65 30.00 20 780621 78 66 60 29.94
50182  4287T5H439802  041  465  455 8 2 3  1  1  2  1  2  2  1  1  2  L  032930 780707 65 66 30.03 10 780707 85 71 56 30.00
50190  2K57W5P193758  045  457  455 8 2 3  1  1  2  1  2  2  1  1  2  D  068933 780710 72 50 30.20 10 780710 77 64 48 30.06
50241  4X39T5M406484  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  J  042353 780808 86 39 30.00 10 780808 86 74 57 29.93

50247  3V37T5M182586  044  448  455 8 2 3  1  1  2  1  2  2  1  1  2  M  049377 780808 85 37 29.95 15 780808 88 74 51 29.96
50317  3X37T5M170275  044  448  455 8 2 3  1  1  2  1  2  2  1  1  2  B  035682 780911 60 72 29.75 10 780911 74 63 54 30.12
50346  3R35T5X131716  044  443  455 8 2 3  1  1  2  1  2  2  1  1  2  H  036919 780926 72 53 29.95 15 780926 82 68 48 29.93
50396  4X39T5M425620  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  K  043277 781018 71 57 30.20 10 781018 75 62 47 30.14
50456  4V39T5M480445  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  B  071010 781109 52 53 30.20 00 781109 69 55 39 30.25

50465  4V39T5M556065  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  E  073127 781114 41 48 30.25 00 781114 68 52 31 30.22
50466  3V395M290651   044  448  455 8 2 3  1  1  2  1  2  2  1  1  2  E  018047 781114 42 48 30.25 05 781114 69 52 28 30.21
50491  4X39T5M494915  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  C  080453 781130 53 80 29.70 15 781130 67 59 62 29.70
50515  4X39T5M424252  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  K  023474 781212 42 69 30.50 10 781212 72 56 34 30.46
50535  2R47W5X143727  045  459  455 8 2 3  1  1  2  1  2  2  1  1  2  J  060107 790102 25 36 30.10 50 790102 74 57 33 30.35

50549  4X39T5M554027  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  J  047265 790112 37 79 29.85 05 790112 57 50 61 30.14
50557  4V39T5M534081  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  K  047802 790116 38 55 30.00 20 790116 66 51 32 29.96
50563  3X39T5M307265  044  446  455 8 2 3  1  1  2  1  2  2  1  1  2  F  038354 790119 38 75 30.05 25 790119 74 56 36 30.26
54011  3X39T5M357030  044  448  455 8 2 3  1  1  2  1  2  2  1  1  2  A  045295 771021 60 82 30.10 15 771021 70 65 77 30.02
56019  4X39T5M460159  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  A  032262 780127 39 99 30.20 00 780127 64 58 79 30.24

60119  4R45Y6X114557  041  419  455 8 2 3  1  1  2  1  2  2  1  1  2  L  008934 780516 60 76 30.25 20 780516 76 60 38 30.31
60124  4X39Y6M478464  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  B  006330 780517 64 56 30.15 05 780517 71 59 48 30.24
60152  4R45Y6X119786  041  419  455 8 2 3  1  1  2  1  2  2  1  1  2  C  040090 780602 84 26 30.00 05 780602 95 72 35 29.60
60154  4287Y6H521974  041  465  455 8 2 3  1  1  2  1  2  2  1  1  2  E  026893 780602 84 30 29.90 05 780602 89 69 42 29.80
60166  3Q45T6X203413  044  443  455 8 2 3  1  1  2  1  2  2  1  1  2  H  020088 780607 72 52 30.20 20 780607 81 68 51 30.19

60224  3X39T6M122880  044  448  455 8 2 3  1  1  2  1  2  2  1  1  2  J  032434 780706 70 61 30.08 10 780706 86 72 50 30.02
60298  3X37T6M148595  044  448  455 8 2 3  1  1  2  1  2  2  1  1  2  L  035153 780807 82 43 30.05 15 780807 64 71 52 30.06
60331  3X39T6M463093  044  448  455 8 2 3  1  1  2  1  2  2  1  1  2  H  029126 780823 68 60 29.95 25 780823 75 63 51 30.07
60369  2P49W6X117923  045  452  455 8 2 3  1  1  2  1  2  2  1  1  2  M  042492 780907 60 70 29.95 15 780907 72 61 53 29.92
60384  4287Y6M409208  041  465  455 8 2 3  1  1  2  1  2  2  1  1  2  M  038819 780913 60 75 30.15 20 780913 75 65 58 30.15

60443  3X39T6M279844  044  448  455 8 2 3  1  1  2  1  2  2  1  1  2  D  024455 781004 70 48 30.06 10 781004 86 66 33 30.05
60477  4287Y6M567037  041  465  455 8 2 3  1  1  2  1  2  2  1  1  2  F  050266 781012 64 50 30.35 15 781012 77 60 35 30.29
60515  4R45Y6X166431  041  419  455 8 2 3  1  1  2  1  2  2  1  1  2  G  038540 781023 62 51 30.15 10 781023 73 58 39 30.10
60726  4P57Y6X100558  041  462  455 8 2 3  1  1  2  1  2  2  1  1  2  F  024414 790108 40 52 30.05 25 790108 75 56 28 30.22
64011  4X39Y6M408723  041  418  455 8 2 3  1  1  2  1  2  2  1  1  2  A  015377 771129 51 76 30.42 07 771129 80 76 83 30.44

66020  2K57W6P197718  045  457  455 8 2 3  1  1  2  1  2  2  1  1  2  A  027986 780125 40 99 30.15 20 780125 74 60 43 30.26
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                         APPENDIX A - LISTING OF VEHICLES

CELL NO=51    MODEL YR(S)=1975,1976
   MAKE=BUICK                  MODEL=CENTURY SKYLARK APOLLO REGAL
                                                                              ------DEQ DATA------   -----HTS DATA------
EPA NO VEH IDENT NO  MAKE MODL  CID C T F EI CA LE AC EM AS CC ES TR TAG  ODOM   DATE   F RH BARO  QT  DATE   DB WB RH BARO

50085  4C27C5K113471  041  414  231 6 2 2  1  1  2  2  2  2  1  1  2  A  016702 780523 56 54 29.92 20 780523 74 58 36 29.94
50087  4B69C5K117105  041  414  231 6 2 2  1  1  2  1  2  2  1  1  2  C  027842 780524 60 48 29.85 02 780524 67 56 49 29.99
50066  4B27C5K112040  041  414  231 6 2 2  1  1  2  1  2  2  1  1  2  A  024113 780524 54 63 29.95 20 780524 65 57 47 29.99
50096  4D29C5Z105062  041  417  231 6 2 2  1  1  2  2  2  2  1  1  2  C  051223 780601 74 34 29.95 25 780601 86 68 39 29.65
50114  4B69C5L113198  041  414  231 6 2 2  1  1  2  2  2  2  1  1  2  E  038529 780609 70 48 30.00 07 780609 76 62 44 29.97

50125  4B69C5L112246  041  414  231 6 2 2  1  1  2  1  2  2  1  1  2  E  031981 780621 60 65 30.00 20 780621 73 62 53 29.98
50195  4D29C5Z102400  041  417  231 6 2 2  1  1  2  2  2  2  1  1  2  A  050415 780712 81 43 29.95 00 780712 89 73 45 29.98
50201  4E69C5L111800  041  414  231 6 2 2  1  1  2  1  2  2  1  1  2  D  030974 780713 70 59 30.05 15 780713 82 68 48 30.01
50283  4C69C5L112263  041  414  231 6 2 2  1  1  2  1  2  2  1  1  2  E  048412 780824 69 56 30.05 10 780824 74 65 61 30.10
50290  4B27C5L113095  041  414  231 6 2 2  1  1  2  2  2  2  1  1  2  F  030165 780830 73 60 29.90 15 780830 84 71 52 29.87

50310  4B69C5L120485  041  414  231 6 2 2  1  1  2  1  2  2  1  1  2  H  010692 780906 66 62 29.90 05 780906 75 62 47 29.85
50332  4B69C5L113363  041  414  231 6 2 2  1  1  2  1  2  2  1  1  2  H  029655 780919 62 58 30.30 00 780919 80 63 36 30.30
50386  4J29C5Z126744  041  464  231 6 2 2  1  1  2  1  2  2  1  1  2  J  048617 781012 66 46 30.30 10 781012 77 61 39 30.26
60015  4D29C6Z110745  041  417  231 6 2 2  1  1  2  1  2  2  1  1  2  A  024043 780208 50 88 29.45 10 780208 62 55 64 29.32
60021  4H57C6Z108030  041  417  231 6 2 2  1  1  2  1  2  2  1  1  2  B  041214 780214 48 70 30.00 25 780214 61 54 63 29.92

60022  4B27C6L112089  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  B  025114 780214 45 89 30.40 00 780214 70 60 55 30.12
60030  4H29C6Z111838  041  417  231 6 2 2  1  1  2  1  2  2  1  1  2  B  016957 780302 45 50 29.55 10 780302 67 59 62 30.24
60046  4J57C6Z112379  041  464  231 6 2 2  1  1  2  1  2  2  1  1  2  B  050350 780306 57 70 29.95 10 780306 65 60 75 30.20
60077  4B69C6K128902  041  467  231 6 2 2  1  1  2  2  2  2  1  1  2  C  026205 780424 58 70 29.70 10 780424 74 58 36 29.79
60140  4J57C6H207315  041  464  231 6 2 2  1  1  2  1  2  2  1  1  2  U  032293 780601 78 29 29.99 15 780601 84 60 37 29.91

60227  4D37C6Z119524  041  417  231 6 2 2  1  1  2  1  2  2  1  1  2  D  031728 780707 64 58 30.12 15 780707 74 63 54 30.03
60337  4B27C6L121184  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  G  006316 780825 62 69 30.10 20 780825 69 60 59 30.13
60336  4J57C6Z146250  041  464  231 6 2 2  1  1  2  1  2  2  1  1  2  G  036723 780825 66 63 30.12 10 780825 72 62 57 30.12
60373  4B27C6L122255  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  G  017666 780908 56 82 29.80 15 780908 77 67 59 29.73
60399  4B69C6L102272  041  467  231 6 2 2  1  1  2  2  2  2  1  1  2  K  031778 780919 60 58 30.30 10 780919 77 62 42 30.25

60460  4B27C6L121590  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  H  021171 781009 68 59 30.10 05 781009 76 64 51 30.10
60466  4B27C6K130301  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  F  037088 781011 66 47 30.30 10 781011 77 61 39 30.32
60531  4B27C6L119593  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  F  015906 781030 52 69 30.40 05 781030 75 59 37 30.35
60551  4B69C6L123527  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  J  012626 781106 60 44 30.02 15 781106 62 52 50 30.24
60557  4D37C6Z151931  041  417  231 6 2 2  1  1  2  1  2  2  1  1  2  K  028786 781107 61 52 30.20 05 781107 73 60 40 30.17

60559  4B69C6L104299  041  467  231 6 2 2  1  1  2  2  2  2  1  1  2  L  027402 781107 60 56 30.15 05 781107 76 61 41 30.14
60615  4B27C6L104861  041  467  231 6 2 2  1  1  2  2  2  2  1  1  2  L  020269 781130 54 73 29.95 08 781130 66 58 61 29.85
60616  4B27C6L120253  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  M  014590 781130 52 75 29.70 05 781130 65 57 61 29.06
60626  4B27C6L104753  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  L  020064 781205 58 60 30.05 05 781205 72 56 34 30.03
60697  4C17C6L105125  041  467  231 6 2 2  1  1  2  1  2  2  1  1  2  M  024218 790103 30 38 30.15 15 790103 65 50 31 30.17

60698  4D37C6H100291  041  417  231 6 2 2  1  1  2  1  2  2  1  1  2  K  051020 790103 30 38 30.15 15 790103 64 50 34 30.16
60701  4B27C6L104972  041  467  231 6 2 2  1  1  2  2  2  2  1  1  2  L  055711 790105 37 34 30.20 25 790105 66 50 29 30.24
64060  4D29C6Z108666  041  417  231 6 2 2  1  1  2  1  2  2  1  1  2  M  037385 781215 40 71 30.25 05 781215 73 57 35 30.38
66024  4B69C6L111975  041  467  231 6 2 2  1  1  2  2  2  2  1  1  2  B  032601 780217 46 54 30.15 15 780217 61 55 68 30.20
66029  4D37C6Z112487  041  417  231 6 2 2  1  1  2  1  2  2  1  1  2  B  023145 780310 52 68 29.90 10 780310 63 56 74 29.95
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APPENDIX A - LISTING OF VEHICLES

CELL NO=52 MODEL YR(S)=1976,1977

MAKE=CADILLAC MODEL=SEVILLE

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
60020	6S69R60496450	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	B	017815	780213	50	55	29.85	10	780213	59	53	67	30.01
60025	6S69R60457054	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	L	022579	780222	44	95	30.25	00	780222	67	61	67	30.18
60137	6S69R60508410	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	C	023941	780530	63	40	30.20	30	780530	82	61	27	30.22
60139	6S69R60505779	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	C	034621	780530	70	30	30.15	45	780530	79	64	43	30.15
60178	6S69R60499225	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	A	029366	780614	62	66	30.10	10	780614	66	58	61	30.08
60194	6S69R60511986	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	D	016863	780620	65	70	30.00	20	780620	65	61	63	30.08
60272	6S69R60498252	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	M	042482	780728	76	54	30.00	05	780728	84	71	52	29.98
60309	6S69R60492230	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	M	028910	780815	72	54	29.95	15	780815	79	64	43	29.94
60404	6S69R60461563	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	K	030501	780920	60	72	30.10	05	780920	70	62	64	30.08
60424	6S69R60492415	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	L	010867	780927	70	46	30.20	30	780927	80	64	41	30.16
60426	6S69R60484679	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	K	047972	780928	66	56	30.20	05	780928	72	64	65	30.20
60454	6S69R60505870	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	F	021029	781006	72	46	30.00	05	781006	76	62	44	30.03
60459	6S69R60500985	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	D	026732	781009	68	60	30.10	05	781009	76	64	51	30.10
60465	6S69R60458157	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	F	048609	781011	60	47	30.30	15	781011	75	60	40	30.45
60494	6S69R60515485	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	F	026239	781017	68	58	30.15	10	781017	78	65	49	30.14
60555	6S69R60506779	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	H	020267	781106	57	56	30.15	10	781106	82	62	30	30.18
60651	6S69R60497247	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	M	022465	781213	42	55	30.50	25	781213	66	53	40	30.32
60689	6S69R60461595	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	J	019368	781227	38	67	30.05	80	781227	62	50	41	30.02
60721	6S69R60469029	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	G	029844	790116	36	70	30.00	20	790116	72	54	28	29.94
64003	6S69R60484837	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	V	025216	771028	56	56	29.70	05	771028	67	64	85	29.72
64025	6S69R60504386	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	U	011636	780329	57	85	29.77	25	780329	62	57	74	30.04
70168	6S69R70490384	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	G	012003	780626	68	56	30.10	25	780626	93	72	35	30.03
70176	6S69R70470942	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	C	015585	780629	62	48	30.00	15	780629	78	66	55	29.99
70231	6S69R70468250	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	B	026294	780727	72	54	30.00	30	780727	78	67	56	29.94
70234	6S69R70450466	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	L	037965	780727	68	65	30.05	02	780727	78	66	59	30.02
70240	6S69R70479466	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	E	010859	780731	77	50	30.00	10	780731	80	69	57	30.00
70253	6S69R70450410	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	E	012081	780804	76	49	30.15	15	780804	89	73	56	30.14
70260	6S69R70455285	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	A	027446	780816	64	70	30.20	30	780816	75	63	51	30.23
70371	6S69R70479834	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	E	021116	780920	56	74	30.05	05	780920	72	62	57	30.00
70522	6S69R70493857	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	H	009395	781113	45	39	30.30	05	781113	67	51	30	30.24
70523	6S69R70494249	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	J	009377	781113	40	45	30.25	00	781113	68	51	25	30.23
70608	6S69R70480067	042	429	350	8	2	5	1	1	2	1	2	1	1	1	2	E	018777	781215	40	69	30.20	05	781215	63	53	50	30.36

APPENDIX A - LISTING OF VEHICLES

CELL NO=54 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV CAMARO MALIBU NOVA

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70048	1C57D7Z454967	043	482	250	6	2	1	1	1	2	2	2	2	1	1	2	M	018887	780328	55	87	29.89	40	780328	70	63	66	29.96
70057	1X17D7L121578	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	G	020237	780424	62	59	29.70	15	780424	73	57	56	29.78
70059	1X69D7L100473	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	J	012236	780425	62	84	29.65	15	780425	63	57	69	29.92
70090	1L47D7U100341	043	478	250	6	2	1	1	1	2	2	2	2	1	1	2	A	011171	780522	61	65	30.01	20	780522	69	56	43	30.08
70096	1X27D7L117866	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	A	016748	780524	56	58	29.95	20	780524	70	57	44	30.00
70124	1X27D7W105851	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	B	018749	780612	68	57	30.10	10	780612	72	62	57	30.02
70129	1X69D7W174122	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	D	005039	780613	63	60	30.25	20	780613	71	60	52	30.12
70141	1X27D7K123963	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	C	018670	780616	66	50	30.25	05	780616	77	63	45	30.14
70189	1X69D7L117874	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	G	012044	780712	71	60	30.05	05	780712	83	72	57	30.02
70193	1X27D7L118150	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	B	007836	780712	80	42	30.00	10	780712	93	76	45	29.98
70236	1X27D7W173899	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	D	028644	780728	74	55	30.00	10	780728	83	72	59	30.00
70271	1X69D7L140097	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	F	012791	780814	66	66	30.20	30	780814	78	64	46	30.17
70295	1C29D7K530819	043	482	250	6	2	1	1	1	2	2	2	2	1	1	2	F	012148	780818	64	74	30.10	20	780818	73	64	61	30.02
70296	1X69D7L137272	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	F	027706	780818	64	75	30.10	15	780818	73	55	58	30.02
70318	1X27D7L140357	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	E	016308	780829	80	50	29.95	15	780829	77	67	59	29.92
70321	1X69D7W226091	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	K	011878	780831	67	68	29.90	25	780831	79	60	50	29.92
70382	1X27D7L130167	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	H	013803	780927	70	57	30.15	15	780927	80	64	41	30.15
70384	1X69D7L125418	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	H	014770	780927	64	61	30.19	07	780927	73	62	53	30.19
70389	1X27D7L133598	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	G	014398	781002	71	43	30.15	07	781002	82	64	36	30.16
70445	1X27D7L141598	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	E	018412	781019	64	63	30.00	02	781019	78	64	46	29.95
70470	1W87D7L631805	043	435	250	6	2	1	1	1	2	2	2	2	1	1	2	G	010096	781026	56	59	30.10	05	781026	75	59	57	30.04
70474	1X69D7L142268	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	E	011589	781027	54	71	30.20	10	781027	72	59	45	30.13
70476	1Y27D7W172048	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	E	013779	781027	54	70	30.20	15	781027	71	58	45	30.12
70482	1X27D7L152819	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	G	011220	781101	56	51	30.20	45	781101	74	57	33	30.16
70498	1X27D7L152390	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	G	015598	781106	59	50	30.05	05	781106	70	55	36	30.19
70505	1X17D7L104848	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	K	015957	781107	58	64	30.15	05	781107	71	60	52	30.17
70512	1X69D7L116689	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	L	003887	781108	55	61	30.20	05	781108	67	55	45	30.18
70579	1C29D7Z406886	043	482	250	6	2	1	1	1	2	2	2	2	1	1	2	M	041414	781202	42	63	30.20	05	781202	66	52	36	30.31
70593	1X17D7L113836	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	L	037425	781206	42	55	30.25	06	781206	68	53	34	30.41
70615	1Y69D7L115932	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	L	022044	781219	38	67	30.05	00	781219	57	49	55	30.24
70673	1X69D7L140790	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	F	016763	790123	38	71	30.15	45	790123	65	52	39	30.08
76003	1X27D7K123928	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	A	011358	771107	50	85	30.30	02	771107	75	72	99	30.09
76038	1Y27D7L104325	043	486	250	6	2	1	1	1	2	2	2	2	1	1	2	J	014292	780405	52	80	29.70	15	780403	73	63	57	29.73
76042	1X27D7L153398	043	486	250	6	2	1	1	1	2	1	2	2	1	1	2	J	005188	780928	68	55	30.20	10	780928	76	64	51	30.20

APPENDIX A - LISTING OF VEHICLES

Reproduced from best available copy.

CELL NO=55 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV MALIBU MONTE CARLO CAPRICE

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70008	1H57U7Z468404	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	E	001311	771212	50	97	29.70	15	771212	67	65	90	29.58
70009	1H57U7Z488026	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	E	002495	771212	50	96	29.53	18	771212	72	70	91	29.57
70018	1D29U7Z436712	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	A	012733	780130	48	63	29.90	10	780130	60	53	63	29.91
70019	1N69U7C111572	043	472	305	8	2	2	1	1	2	1	2	2	1	1	2	A	015893	780130	46	66	29.85	15	780130	64	57	65	29.94
70020	1N69U7C114905	043	472	305	8	2	2	1	1	2	1	2	2	1	1	2	V	016696	780203	50	97	30.00	30	780203	66	63	85	30.04
70029	1H57U7Z403156	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	K	019438	780218	50	99	30.30	10	780218	64	58	70	30.35
70037	1H57U7Z419812	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	L	015819	780308	56	85	30.00	05	780308	68	62	71	30.26
70039	1L47U7J113489	043	478	305	8	2	2	1	1	2	1	2	2	1	1	2	K	008434	780309	50	70	30.05	10	780309	66	61	75	30.24
70042	1D29U7Z413647	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	L	017864	780315	50	64	30.25	20	780315	85	68	43	30.04
70045	1N69U7J103906	043	472	305	8	2	2	1	1	2	1	2	2	1	1	2	K	019087	780317	65	61	30.00	15	780317	79	65	46	30.02
70053	1H57U7Z466045	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	E	007328	780419	58	87	29.72	10	780419	70	59	51	29.82
70055	1H57U7Z488420	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	E	004957	780419	52	90	29.70	05	780419	71	59	48	29.78
70145	1N69U7S167690	043	472	305	8	2	2	1	1	2	1	2	2	1	1	2	D	010223	780617	72	46	30.10	05	780617	88	70	40	30.02
70146	1H57U7Z457548	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	D	004899	780616	70	51	30.10	05	780616	85	68	41	30.06
70156	1H57U7Z444855	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	D	011605	780621	69	55	30.00	20	780621	78	64	46	29.92
70209	1H57U7K505352	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	F	013886	780719	72	58	30.00	15	780719	88	74	51	30.03
70212	1N69U7C141449	043	472	305	8	2	2	1	1	2	1	2	2	1	1	2	B	025126	780720	82	43	30.00	15	780720	93	73	43	29.97
70213	1D29U7Z433901	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	H	020202	780720	86	25	29.95	10	780720	97	78	42	29.92
70247	1N69U7C114636	043	472	305	8	2	2	1	1	2	1	2	2	1	1	2	M	032974	780803	78	46	30.10	15	780803	85	70	47	30.10
70285	1D37U7Z468175	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	H	014513	780816	64	70	30.05	20	780816	76	64	51	30.00
70306	1L69U71254011	043	478	305	8	2	2	1	1	2	2	2	2	1	1	2	J	019647	780828	70	56	30.05	10	780828	80	64	41	30.07
70312	1H57U7Z484686	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	F	009274	780828	72	59	30.15	20	780828	82	68	48	30.12
70350	1N69U7C123759	043	472	305	8	2	2	1	1	2	1	2	2	1	1	2	M	048890	780914	65	57	30.17	00	780914	77	64	48	30.14
70354	1H57U7Z491964	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	F	018231	780915	66	45	30.15	15	780915	78	62	30	30.25
70365	1H57U7Z438884	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	M	016041	780919	60	61	30.35	15	780919	80	64	41	30.32
70404	1H57U7Z482040	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	J	014612	781004	69	51	30.15	01	781004	77	64	48	30.04
70454	1L69U7C174556	043	478	305	8	2	2	1	1	2	1	2	2	1	1	2	H	018297	781023	60	51	30.20	00	781023	68	55	42	30.16
70460	1H57U7Z459607	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	G	023650	781024	59	56	30.10	40	781024	71	53	23	30.04
70486	1D37U7Z424780	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	C	017113	781102	56	64	30.25	15	781102	68	56	54	30.20
70487	1H57U7Z491001	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	G	013278	781102	56	66	30.25	25	781102	73	60	46	30.21
70506	1H57U7Z493412	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	G	023445	781108	59	63	30.25	02	781108	72	60	49	30.20
70632	1L69U7C144452	043	478	305	8	2	2	1	1	2	1	2	2	1	1	2	J	019640	790103	29	38	30.15	25	790103	66	50	29	30.22
70636	1D37U7Z511552	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	J	023016	790104	33	45	30.15	10	790104	81	60	29	30.38
74010	1L47U7C115290	043	478	305	8	2	2	1	1	2	1	2	2	1	1	2	A	013219	771207	39	85	30.05	20	771207	77	70	74	30.20
76012	1H57U7Z451811	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	A	011433	780125	40	99	30.15	20	780125	60	54	68	30.17
76014	1C29U7Z402049	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	A	009872	780130	48	62	30.90	15	780130	55	50	70	29.90
76022	1C37U7K475228	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	B	009746	780228	48	70	29.70	15	780228	62	57	74	29.76
76023	1D37U7Z417278	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	K	014291	780302	46	55	29.60	15	780302	61	59	69	29.68
76024	1D29U7Z402235	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	K	016741	780303	40	80	29.70	10	780303	68	60	59	29.46
76025	1D29U7Z406367	043	482	305	8	2	2	1	1	2	2	2	2	1	1	2	L	019646	780304	43	82	29.40	05	780304	62	57	74	30.03
76030	1D37U7Z410990	043	482	305	8	2	2	1	1	2	1	2	2	1	1	2	K	013348	780306	56	66	29.80	20	780306	63	61	89	30.26
76033	1L47U7C111115	043	478	305	8	2	2	1	1	2	1	2	2	1	1	2	L	010070	780310	51	65	29.90	10	780310	65	61	75	30.24
76034	1H57U7Z401017	043	483	305	8	2	2	1	1	2	1	2	2	1	1	2	K	012801	780320	61	60	29.90	10	780320	70	60	55	29.98

APPENDIX A - LISTING OF VEHICLES

CELL NO=56 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV MALIBU MONTE CARLO CAPRICE

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70012	1H57L7Z432509	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	A	021942	780124	40	90	30.25	15	780124	75	61	44	30.38
70015	1H57L7Z429734	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	M	027771	780126	43	99	30.25	20	780126	61	54	63	30.26
70033	1L35L7J347476	043	478	350	8	2	3	1	1	2	1	2	2	1	1	2	H	011614	780226	46	73	29.65	20	780228	72	65	69	29.70
70043	1D35L7Z409919	043	482	350	8	2	3	1	1	2	1	2	2	1	1	2	K	013874	780315	57	45	30.20	00	780315	64	53	47	30.30
70046	1N35L7J112249	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	L	012168	780321	67	58	29.65	10	780321	74	63	54	29.76
70047	1D35L7Z427136	043	482	350	8	2	3	1	1	2	1	2	2	1	1	2	L	013025	780323	52	92	29.70	00	780323	62	57	74	29.76
70056	1H57L7Z427277	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	M	010449	780421	50	89	29.90	10	780421	63	54	55	30.00
70076	1N35L7J119273	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	M	025899	780511	60	80	30.05	10	780511	64	53	47	30.25
70091	1N47L7J113840	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	C	033680	780523	55	56	29.95	20	780523	74	58	36	29.95
70116	1N69L7S185020	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	C	021965	780606	80	36	29.98	20	780606	85	71	56	29.98
70126	1N47L7C165563	043	472	350	8	2	3	1	1	2	2	2	2	1	1	2	E	015046	780612	63	71	30.00	20	780612	75	65	40	29.98
70151	1N35L7J303367	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	F	008338	780619	72	54	30.05	15	780619	86	72	50	30.01
70154	1L35L7J260120	043	478	350	8	2	3	1	1	2	1	2	2	1	1	2	D	012331	780620	65	70	30.00	20	780620	74	63	54	30.10
70181	1H57L7Z459294	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	C	021895	780707	64	65	30.05	00	780707	81	68	51	30.00
70218	1H57L7Z404242	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	J	030804	780724	75	54	29.90	08	780724	90	75	51	29.91
70219	1H57L7Z414280	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	B	016468	780724	78	54	29.90	15	780724	88	74	51	29.92
70252	1L35L7J304700	043	478	350	8	2	3	1	1	2	2	2	2	1	1	2	F	015839	780804	71	53	30.20	10	780804	80	69	57	30.19
70269	1H57L7K510083	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	D	020986	780811	70	52	29.85	05	780811	84	67	40	29.83
70297	1H57L7Z425967	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	M	021996	780818	66	67	30.05	20	780818	75	65	58	30.00
70329	1N69L7C154538	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	D	008875	780906	67	51	29.85	15	780906	77	63	45	29.85
70355	1H57L7Z450412	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	E	018414	780915	66	46	30.15	15	780915	75	60	40	30.20
70359	1H57L7Z449989	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	F	019598	780918	60	48	30.15	10	780918	73	60	46	30.19
70434	1D29L7K504694	043	482	350	8	2	3	1	1	2	1	2	2	1	1	2	E	018427	781018	72	45	30.15	20	781018	82	65	39	30.09
70441	1N35L7J330165	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	G	010249	781019	70	52	30.05	05	781019	72	60	49	30.02
70444	1N35L7C100574	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	G	021934	781019	64	63	30.00	00	781019	78	64	40	29.94
70496	1H57L7Z417260	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	K	015853	781106	59	44	30.05	05	781106	67	54	41	30.22
70515	1H57L7Z456408	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	H	014466	781109	53	53	30.20	00	781109	70	55	36	30.26
70525	1H57L7Z401320	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	K	056190	781114	46	40	30.20	10	781114	67	51	30	30.14
70633	1H57L7Z452441	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	G	027416	790103	29	38	30.15	30	790103	62	45	30	30.20
70635	1H57L7K509580	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	G	027585	790103	30	36	30.15	10	790103	63	50	37	30.16
74026	1H57L7Z427051	043	483	350	8	2	3	1	1	2	1	2	2	1	1	2	M	025999	780410	54	33	29.96	05	780410	67	55	45	30.10
76005	1N35L7C136369	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	A	012332	771209	40	84	29.95	20	771209	61	60	94	30.04
76015	1N69L7C132524	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	A	022532	780201	50	90	29.60	10	780201	61	55	68	29.88
76017	1L69L7C142073	043	478	350	8	2	3	1	1	2	1	2	2	1	1	2	B	006431	780210	40	83	29.70	15	780210	62	53	54	29.90
76035	1N69L7C100367	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	L	013351	780321	68	59	29.65	10	780321	63	57	69	29.88
76037	1L47L7J117147	043	478	350	8	2	3	1	1	2	1	2	2	1	1	2	L	016825	780330	52	88	29.85	00	780330	66	59	71	30.02
76043	1N69L7C180562	043	472	350	8	2	3	1	1	2	1	2	2	1	1	2	J	015942	781004	69	51	30.05	00	781004	75	60	40	30.04

APPENDIX A - LISTING OF VEHICLES

CELL NO=57 MODEL YR(S)=1977

MAKE=PONT OLDS MODEL=LEMANS GRAND PRIX CATALINA

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70013	2J57Y7P225686	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	B	008333	780124	38	93	30.30	25	780124	70	58	48	30.36
70026	2J57Y7P223541	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	A	013494	780214	48	90	29.90	10	780214	59	53	67	29.98
70028	2L35Y7X104681	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	M	009480	780216	44	88	30.10	15	780216	58	53	72	30.12
70109	2J57Y7P211512	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	C	019675	780531	76	22	30.00	37	780531	87	66	30	30.00
70117	2K57Y7P405154	045	451	301	8	2	2	1	1	2	1	2	2	1	1	2	D	019600	780608	68	54	30.15	10	780608	77	64	48	30.12
70119	2J57Y7P198114	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	A	012628	780608	74	49	30.05	05	780608	86	70	44	29.98
70157	2J57Y7P342711	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	C	011512	780621	60	65	30.00	25	780621	72	61	53	30.00
70202	2J57Y7P363157	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	M	012255	780718	62	66	30.15	05	780718	74	63	54	30.14
70206	2J57Y7P320356	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	D	019688	780719	70	64	30.00	20	780719	72	64	65	30.06
70208	2J57Y7P381511	045	451	301	8	2	2	1	1	2	1	2	2	1	1	2	F	015261	780719	74	58	30.00	10	780719	88	73	49	29.98
70262	2L37Y7X137226	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	G	018561	780810	76	52	29.95	02	780810	85	71	49	29.94
70264	2K57Y7P285249	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	F	020729	780810	78	54	29.90	02	780810	80	69	57	29.90
70274	2D35Y7P295133	045	498	301	8	2	2	1	1	2	1	2	2	1	1	2	C	019709	780814	72	55	30.15	15	780814	83	68	45	30.12
70290	2J57Y7P186979	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	M	025806	780817	70	56	30.25	00	780817	83	66	40	30.22
70340	2L35YM7X11505	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	D	034825	780911	60	69	30.10	10	780911	74	64	58	30.10
70341	2J57Y7P336073	045	457	301	8	2	2	1	1	2	2	2	2	1	1	2	M	013400	780911	60	69	30.10	05	780911	75	64	54	30.12
70343	2K57Y7P331992	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	E	015877	780911	62	73	30.10	10	780911	74	62	50	30.12
70360	2D35Y7P386756	045	498	301	8	2	2	1	1	2	1	2	2	1	1	2	G	014788	780918	60	50	30.15	10	780918	76	61	41	30.18
70428	2L35Y7X104334	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	B	012738	781016	68	61	30.10	05	781016	76	64	31	30.08
70433	2L69Y7P202544	045	453	301	8	1	2	1	1	2	1	2	2	1	1	2	B	019817	781017	66	64	30.15	05	781017	77	65	52	30.11
70439	2J57Y7P195639	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	B	022114	781018	70	51	30.05	00	781018	80	62	35	30.02
70456	2L35Y7X142714	045	453	301	8	2	2	1	1	2	2	2	2	1	1	2	L	019892	781023	62	50	30.20	10	781023	71	57	41	30.11
70465	2L69Y7P163402	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	L	015140	781025	56	47	30.00	05	781025	72	54	28	29.97
70477	2L37Y7X142488	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	J	022327	781028	52	68	30.38	15	781028	67	56	49	30.35
70547	2J57Y7P345323	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	F	007045	781122	42	65	30.15	00	781122	70	55	36	30.08
70548	2L69Y7X134515	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	J	010520	781122	43	64	30.15	05	781122	70	55	36	30.07
70550	2L69Y7P361214	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	J	006659	781127	43	60	30.25	10	781127	70	55	36	30.19
70554	2L35Y7X126360	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	E	030066	781127	43	71	30.15	05	781127	67	54	41	30.07
70562	2J57Y7P411516	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	J	020961	781129	54	82	30.00	08	781129	66	60	71	29.96
70589	2J57Y7P340743	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	E	019424	781207	40	62	30.25	00	781207	77	64	48	30.44
70639	2L37Y7P190180	045	453	301	8	2	2	1	1	2	1	2	2	1	1	2	A	035248	790104	33	52	30.20	10	790104	72	55	31	30.37
76020	2D35Y7P200131	045	498	301	8	2	2	1	1	2	1	2	2	1	1	2	M	014998	780221	48	87	30.30	30	780221	65	59	70	30.35
76027	2K57Y7P228683	045	457	301	8	2	2	1	1	2	1	2	2	1	1	2	A	020154	780304	46	68	29.45	10	780304	64	59	74	30.15

APPENDIX A - LISTING OF VEHICLES

CELL NO=58 MODEL YR(S)=1977

MAKE=PONT OLDS BUICK MODEL=OLDS 88 LESABRE ELECTRA RIVIERA OLDS 98 CATALINA

																			DEQ DATA					HTS DATA				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70030	4X69K7H470047	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	M	009127	780218	50	99	30.30	05	780218	60	56	78	30.35
70040	4Z37K7H407954	041	465	403	8	2	3	1	1	2	1	2	2	1	1	2	K	017681	780314	46	75	30.25	00	780314	60	45	26	30.34
70049	4Z37K7H419832	041	465	403	8	2	3	1	1	2	1	2	2	1	1	2	M	021609	780328	58	82	29.70	33	780328	62	57	74	29.88
70060	3X69K7M243769	044	448	403	8	2	3	1	1	2	1	2	2	1	1	2	A	023819	780427	56	99	30.00	20	780427	66	56	53	30.16
70061	4X69K7H511121	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	B	014624	780428	58	79	30.05	20	780428	74	59	39	30.18
70118	3N37K7X161604	044	446	403	8	2	3	1	1	2	1	2	2	1	1	2	B	008869	780608	72	50	30.10	10	780608	81	67	50	30.09
70142	4X69K7H466777	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	A	018675	780616	66	49	30.22	03	780616	75	62	47	30.16
70152	2L35K7X104653	045	453	403	8	2	3	1	1	2	1	2	2	1	1	2	C	012940	780619	75	50	30.00	10	780619	86	70	44	29.98
70207	4X37K7H615330	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	A	005471	780719	70	63	30.05	10	780719	84	71	53	30.02
70211	4X69K7H624062	041	418	403	8	2	3	1	1	2	2	2	2	1	1	2	H	016964	780720	84	33	29.95	05	780720	90	72	41	29.96
70214	4X69K7H548883	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	E	026912	780721	82	42	30.00	12	780721	94	75	40	29.84
70246	3X69K7M123307	044	448	403	8	2	3	1	1	2	1	2	2	1	1	2	L	018624	780803	78	49	30.15	15	780803	84	70	49	30.10
70257	4X69K7H599698	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	G	014142	780808	76	63	30.05	15	780808	84	70	49	29.98
70276	4Z37K7H534724	041	465	403	8	2	3	1	1	2	1	2	2	1	1	2	E	023725	780814	68	76	30.00	20	780814	80	68	54	29.94
70301	4X69K7H418746	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	C	042868	780822	64	73	30.00	20	780822	75	63	51	29.98
70334	3X69K7M240799	044	448	403	8	2	3	1	1	2	1	2	1	2	1	2	E	016515	780907	58	75	29.85	15	780907	75	61	44	29.82
70344	4X69K7H530185	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	D	019901	780912	59	70	30.10	30	780912	70	62	64	30.10
70346	4X69K7H491379	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	D	020636	780912	60	64	30.15	15	780912	74	62	50	30.09
70351	4X69K7H552659	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	F	012405	780914	65	55	30.15	02	780914	79	65	46	30.14
70442	4X37K7H610053	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	H	031518	781019	68	54	30.00	15	781019	80	65	44	29.95
70448	3N37K7X226593	044	446	403	8	2	3	1	1	2	1	2	2	1	1	2	J	006588	781020	62	70	30.10	10	781020	68	60	62	30.04
70449	4X37K7H622522	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	H	007545	781020	62	72	30.10	15	781020	70	61	59	30.05
70458	3N37K7C118774	044	446	403	8	2	3	1	1	2	1	2	2	1	1	2	C	013493	781024	58	63	30.15	15	781024	77	61	39	30.07
70462	3X69K7M468579	044	448	403	8	2	3	1	1	2	1	2	2	1	1	2	J	010836	781025	59	42	30.05	30	781025	76	67	62	30.01
70494	3N37K7C113367	044	446	403	8	2	3	1	1	2	1	2	2	1	1	2	F	016557	781103	58	76	30.15	35	781103	73	63	67	30.08
70495	3X69K7M180181	044	448	403	8	2	3	1	1	2	1	2	2	1	1	2	L	029813	781103	58	77	30.15	07	781103	68	61	63	30.08
70537	4X69K7H545976	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	K	028355	781116	54	75	30.20	10	781116	68	59	58	30.13
70540	3X69K7M424813	044	448	403	8	2	3	1	1	2	1	2	2	1	1	2	F	018931	781117	58	53	30.25	10	781117	66	56	53	30.24
70582	4X37K7H531430	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	D	025393	781204	48	60	30.05	02	781204	70	55	36	30.34
70594	4P69K7X141418	041	462	403	8	2	3	1	1	2	1	2	2	1	1	2	C	030477	781207	42	58	30.25	06	781207	60	50	48	30.40
70597	4X69K7H505840	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	F	020039	781212	42	70	30.50	30	781212	72	57	38	30.48
70606	3X69K7M157335	044	448	403	8	2	3	1	1	2	1	2	2	1	1	2	K	050157	781214	46	75	30.25	15	781214	75	60	40	30.24
70624	4X37K7H473242	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	M	020553	781227	36	63	30.08	65	781229	61	47	31	30.30
70659	3X37K7M404135	044	448	403	8	2	3	1	1	2	1	2	2	1	1	2	K	007052	790116	40	49	29.95	20	790116	71	54	30	29.90
76026	4X37K7H462694	041	418	403	8	2	3	1	1	2	1	2	2	1	1	2	A	019951	780304	42	75	29.40	05	780304	69	64	76	30.26
76036	4Z37K7H433502	041	465	403	8	2	3	1	1	2	1	2	2	1	1	2	B	014701	780330	52	91	29.95	30	780330	62	55	64	30.01

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APPENDIX A - LISTING OF VEHICLES

CELL NO=59 MODEL YR(S)=1977

MAKE=PONT OLDS BUICK MODEL=FBIRD CUTLS CNTRY LEMANS OLDS 88 LESABRE REGAL CATALINA

EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	------DEQ DATE	F	RH	BARO	DATA------ QT	-----MTS DATE	DB	WB	RH	DATA------ BARO
70051	4J57C7Z108736	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	K	017485	780221	50	86	30.30	20	780221	67	61	71	30.33
70092	4P57C7X119047	041	462	231	6	2	2	1	1	2	1	2	2	1	1	2	B	031504	780523	55	52	29.95	20	780523	67	55	45	29.94
70098	4J57C7M225139	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	E	037366	780525	60	53	29.95	15	780525	70	58	46	30.00
70106	4J57C7Z149757	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	C	024727	780530	62	42	30.24	20	780530	80	60	29	30.22
70123	4J57C7Z120932	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	A	017754	780609	70	48	30.00	00	780609	70	60	55	29.96
70132	3J57C7M434475	044	494	231	6	2	2	1	1	2	1	2	2	1	1	2	G	016450	780613	66	56	30.15	05	780613	69	59	55	30.12
70150	2L37C7P210332	045	453	231	6	2	2	1	1	2	1	2	2	1	1	2	A	013522	780617	66	53	30.15	30	780617	84	68	43	30.08
70166	3G37C7M323523	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	D	014578	780711	68	60	30.00	15	780711	78	65	49	30.00
70167	2L37C7P247295	045	453	231	6	2	2	1	1	2	2	2	2	1	1	2	B	014453	780711	66	63	30.00	00	780711	82	67	45	29.99
70233	4J57C7Z124056	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	B	021722	780727	68	65	30.05	05	780727	74	64	58	30.00
70262	4J57C7Z114012	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	L	049267	780816	66	67	30.00	15	780816	74	63	54	30.00
70263	4D37C7Z133458	041	417	231	6	2	2	1	1	2	1	2	2	1	1	2	A	045377	780816	66	52	29.97	10	780816	78	64	43	29.98
70299	4J57C7Z109253	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	J	024064	780821	62	71	30.00	10	780821	78	63	60	30.00
70300	3G37C7M130479	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	J	025222	780822	66	70	30.05	45	780822	80	65	44	29.98
70317	3G37C7M205088	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	D	019156	780829	80	52	29.90	10	780829	90	75	49	29.90
70328	3G37C7M320450	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	D	032442	780905	66	60	29.80	20	780905	78	64	46	29.80
70333	3J57C7M130374	044	494	231	6	2	2	1	1	2	1	2	2	1	1	2	M	014568	780907	58	75	29.85	10	780907	74	61	47	29.62
70352	3J57C7M230748	044	494	231	6	2	2	1	1	2	1	2	2	1	1	2	M	021731	780915	66	47	30.18	12	780915	75	61	44	30.23
70357	4J57C7Z143039	041	464	231	6	2	2	1	1	2	2	2	2	1	1	2	C	021689	780915	64	50	30.15	10	780915	76	60	38	30.26
70406	3G37C7M209077	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	F	009639	781005	76	34	30.00	05	781005	80	61	32	30.02
70407	2D29C7P202303	045	458	231	6	2	2	1	1	2	1	2	2	1	1	2	C	022811	781005	74	30	29.95	01	781005	82	61	27	29.94
70409	3G37C7M437317	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	M	009605	781005	64	45	30.00	15	781005	75	60	40	29.98
70502	3G37C7M360705	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	E	013005	781107	57	56	30.15	10	781107	72	58	42	30.18
70509	4J57C7Z139020	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	E	018477	781108	60	61	30.20	15	781108	74	59	39	30.18
70510	3G37C7M404255	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	M	021601	781108	55	61	30.20	05	781108	68	55	42	30.18
70526	2F37C7P220943	045	498	231	6	2	2	1	1	2	1	2	2	1	1	2	L	011858	781115	45	47	30.05	66	781115	66	50	29	30.02
70572	4J57C7Z150850	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	M	024547	781201	52	65	29.90	00	781201	69	57	47	29.98
70654	4J57C7Z157820	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	F	015158	790117	40	73	29.95	20	790117	66	53	40	30.16
70657	3J57C7M267423	044	494	231	6	2	2	1	1	2	1	2	2	1	1	2	E	028626	790116	39	49	29.95	25	790116	63	50	37	29.90
70658	4M29C7Z169334	041	417	231	6	2	2	1	1	2	1	2	2	1	1	2	K	005898	790116	30	53	30.00	15	790116	68	52	31	29.94
70668	4J57C7Z140389	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	E	041552	790117	39	50	29.95	25	790117	65	52	39	29.90
70670	3G37C7M350125	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	J	021336	790118	37	60	30.12	50	790118	72	55	31	30.22
76015	4J57C7Z108444	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	K	017691	780215	43	89	29.95	10	780215	60	54	68	30.26
76029	4J57C7Z107397	041	464	231	6	2	2	1	1	2	1	2	2	1	1	2	K	022136	780306	55	70	30.95	10	780306	67	61	71	30.10
76044	3G37C7M424092	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	G	011061	781005	76	35	30.00	06	781005	84	62	26	30.00
76045	3G37C7M414217	044	444	231	6	2	2	1	1	2	1	2	2	1	1	2	F	011490	781006	74	31	29.95	02	781006	82	63	33	30.00
76048	3J57C7M337030	044	494	231	6	2	2	1	1	2	1	2	2	1	1	2	J	011128	790116	38	53	30.00	15	790118	72	53	24	30.20

APPENDIX A - LISTING OF VEHICLES

CELL NO=60 MODEL YR(S)=1977

MAKE=OLDS MODEL=CUTLASS OLDS 88

EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	------DEQ DATE	F	RH	BARO	DATA------ GT	-----MTS DATE	DB	WB	RH	DATA------ BARO
70001	3J57R7M373257	044	444	350	8	2	3	1	1	2	1	2	2	1	1	2	E	002270	770916	66	70	29.75	02	770916	69	56	51	29.77
70002	3J57R7M373240	044	444	350	8	2	3	1	1	2	1	2	2	1	1	2	E	003970	770916	66	70	29.75	00	770916	69	56	51	29.77
70011	3M57R7M264663	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	V	002680	780118	46	80	29.70	15	780118	66	57	57	29.73
70041	3M57R7M255514	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	A	015251	780315	46	84	30.30	15	780315	71	57	41	30.33
70054	3J57R7M372579	044	449	350	8	2	3	1	1	2	1	2	2	1	1	2	E	007103	780419	54	86	29.74	05	780419	77	62	42	29.79
70058	3G57R7M262477	044	444	350	8	2	3	1	1	2	2	2	2	1	1	2	B	018178	780424	65	62	29.55	20	780424	67	58	58	29.79
70073	3J29R7M440620	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	J	003846	780509	56	89	29.80	05	780509	71	60	52	29.92
70093	3M57R7M264070	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	C	012355	780523	58	52	29.90	20	780523	71	58	41	29.94
70108	3M35R7M105329	044	494	350	8	2	3	1	1	2	2	2	2	1	1	2	C	010421	780530	70	30	30.11	20	780530	80	63	38	30.06
70126	3M29R7M200151	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	B	021792	780612	66	59	30.00	20	780612	73	61	50	30.02
70133	3M35R7M177723	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	F	014750	780614	60	67	30.15	15	780614	64	57	65	30.10
70136	3M57R7M250474	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	B	028245	780614	62	56	30.20	20	780614	68	57	50	30.19
70177	3J57R7M228096	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	F	012845	780629	68	60	30.00	20	780629	80	67	50	29.99
70244	3J57R7M139847	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	J	016777	780725	80	54	29.95	15	780725	94	88	79	29.94
70255	3M57R7M204233	044	494	350	8	2	3	1	1	2	2	2	2	1	1	2	D	040175	780728	72	57	30.05	15	780728	84	70	49	30.01
70279	3M35R7Z42895	044	494	350	8	2	3	1	1	2	2	2	2	1	1	2	G	070037	780815	69	68	29.95	10	780815	81	64	35	29.94
70304	3M57R7M203180	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	C	009186	780823	62	79	29.80	25	780823	79	67	53	29.64
70311	3J57R7M309443	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	D	016150	780825	71	49	30.05	15	780825	77	65	52	30.15
70316	3J57R7M425025	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	H	006621	780829	75	56	30.00	05	780829	92	74	42	29.99
70322	3M57R7M437549	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	G	012404	780901	59	76	30.00	10	780901	76	65	55	29.82
70324	3G57R7M377049	044	444	350	8	2	3	1	1	2	1	2	2	1	1	2	G	015415	780901	62	71	29.80	10	780901	80	65	44	29.83
70394	3M35R7M214400	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	M	017164	781002	70	46	30.15	06	781002	84	64	32	30.15
70513	3M57R7M247702	044	449	350	8	2	3	1	1	2	1	2	2	1	1	2	M	015887	781108	55	56	30.20	10	781108	68	55	42	30.18
70541	3M57R7M212506	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	M	017223	781117	58	55	30.25	15	781117	63	55	60	30.24
70542	3J57R7M100759	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	L	029273	781117	58	54	30.25	20	781117	63	55	60	30.24
70574	3J57R7M194071	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	L	025592	781201	55	60	29.95	05	781201	72	55	45	30.00
70586	3J57R7M231048	044	494	350	6	2	3	1	1	2	1	2	2	1	1	2	A	036575	781206	41	66	30.20	05	781206	65	52	39	30.30
70599	3J57R7M233267	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	M	017176	781212	42	66	30.50	05	781212	72	57	42	30.46
70630	3M57R7M265621	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	J	012010	781228	31	41	30.10	65	781228	71	52	23	30.32
70653	3J57R7M463120	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	H	024309	790113	36	79	29.85	10	790113	60	50	44	30.08
70666	3M35R7M115363	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	K	029038	790117	40	49	30.00	15	790117	71	54	30	29.92
70672	3G57R7M240851	044	444	350	8	2	3	1	1	2	1	2	2	1	1	2	A	016496	790118	35	61	30.05	05	790118	70	55	28	30.22
74002	3K57R7M233924	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	A	012689	771013	58	72	30.10	10	771013	70	58	51	30.24
74003	3M35R7M152413	044	494	350	8	2	3	1	1	2	2	2	2	1	1	2	A	008627	771013	56	76	30.20	00	771013	74	58	36	30.25
74027	3J57R7M233308	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	A	027330	780418	54	84	29.90	00	780418	69	56	51	29.82
76001	3K57R7M250388	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	A	006994	771014	56	75	30.10	20	771014	75	64	54	30.18
76002	3L37R7X110042	044	446	350	8	2	3	1	1	2	1	2	2	1	1	2	A	012701	771102	43	95	30.15	01	771102	72	67	77	29.90
76039	3J57R7M232795	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	A	020337	780416	60	59	29.85	05	780418	64	57	65	30.04
76040	3J57R7M310811	044	494	350	8	2	3	1	1	2	1	2	2	1	1	2	D	012840	780727	68	59	30.10	20	780727	77	69	67	30.05

APPENDIX A - LISTING OF VEHICLES

CELL NO=61 MODEL YR(S)=1975,1976

MAKE=TOYOTA MODEL=CORONA

																			DEQ DATA					HTS DATA			
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50020	RT11500001284	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	C	034622	780306	53	80	29.90	05	780306	61	58	84	29.90
50024	RT11900002872	570	573	133	4	1	2	2	1	2	1	2	2	1	1	2	C	032550	780308	50	99	30.00	10	780308	64	60	79	30.03
50030	RT11900003357	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	C	027788	780316	55	55	30.20	10	780316	75	61	44	30.22
50047	RT105013766	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	J	038190	780425	60	80	29.75	25	780425	74	61	47	29.75
50048	RT119011737	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	K	026026	780426	56	97	29.85	10	780426	62	56	69	29.96
50049	RT105014511	570	573	133	4	1	2	2	1	2	1	2	2	1	1	2	K	061865	780426	55	99	29.67	15	780426	62	57	74	29.98
50050	RT115002601	570	573	133	4	1	2	2	1	2	1	2	2	1	1	2	K	030296	780427	56	99	30.00	20	780427	69	60	59	30.10
50069	RT105001446	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	C	046265	780525	59	54	29.95	20	780525	67	57	53	30.00
50122	RT10500001339	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	B	017037	780613	63	60	30.25	15	780613	71	60	52	30.10
50135	RT119005505	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	E	034895	780615	66	52	30.25	20	780615	74	61	47	30.20
50141	RT105001889	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	E	029877	780619	78	53	30.00	30	780619	86	70	44	29.99
50206	RT119008409	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	J	047765	780718	66	63	30.15	10	780718	80	69	57	30.06
50218	RT115002247	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	G	036491	780724	78	51	29.90	10	780724	90	75	50	29.90
50221	RT115001446	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	M	043529	780727	70	60	30.05	05	780727	82	70	55	30.02
50253	RT119001695	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	A	036176	780810	78	53	29.95	10	780810	80	70	61	29.90
50263	RT119001025	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	M	047807	780815	67	56	30.00	30	780815	74	63	40	29.97
50264	RT119003044	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	B	037942	780815	64	63	30.00	20	780815	78	63	43	29.97
50358	RT105011874	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	H	042675	780929	68	63	30.00	00	780929	67	62	75	30.07
50373	RT11500000677	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	F	028255	781006	73	41	30.00	05	781006	81	65	36	30.00
50437	RT119008004	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	G	037226	781102	56	64	30.25	03	781102	66	56	53	30.20
50477	RT105014766	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	K	048730	781121	50	42	30.00	10	781121	67	52	33	29.93
50533	RT11900001987	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	M	053550	781229	32	39	30.10	75	781229	60	47	34	30.30
54036	RT105016010	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	J	023567	780404	50	86	29.70	10	780404	67	60	66	29.90
54037	RT11900001585	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	A	035821	780411	52	65	30.25	05	780411	65	53	44	30.30
60080	RT119021344	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	E	027631	780428	55	83	30.05	10	780428	74	60	43	30.16
60081	RT119020465	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	D	025770	780428	54	86	30.02	15	780428	74	60	43	30.16
60082	RT105024169	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	D	033812	780501	56	79	30.10	15	780501	72	58	42	30.18
60402	RT119034465	570	573	133	4	1	2	2	1	2	1	2	2	1	1	2	L	034792	780920	58	67	30.15	15	780920	73	61	50	30.14
60407	RT119031422	570	573	133	4	1	2	2	1	2	1	2	2	1	1	2	L	019914	780921	65	48	30.00	05	780921	74	60	43	30.00
60425	RT115003939	570	573	133	4	1	2	1	1	2	1	2	2	1	1	2	L	025217	780928	62	67	30.22	25	780928	71	61	56	30.18
60487	RT119029653	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	F	016075	781016	66	62	30.15	08	781016	73	62	53	30.10
60492	RT119019035	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	A	021911	781017	64	66	30.20	15	781017	76	64	51	30.15
60548	RT119026933	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	G	031469	781103	57	76	30.20	15	781103	69	64	59	30.14
60599	RT105019808	570	573	133	4	1	2	2	1	2	1	2	2	1	1	2	A	084981	781121	48	41	29.90	05	781121	66	52	36	29.83
60672	RT119030994	570	573	133	4	1	2	2	1	2	1	2	2	1	1	2	M	025971	781219	36	67	30.10	03	781219	59	49	42	30.23
60676	RT119027603	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	F	026139	781220	39	71	30.15	25	781220	68	56	46	30.34
60725	RT119015047	570	573	133	4	1	2	2	1	2	2	2	2	1	1	2	M	049229	790117	40	51	30.00	35	790117	75	56	28	30.22
64002	RT105019397	570	573	133	4	1	2	1	1	2	2	2	2	1	1	2	B	024034	771007	58	96	30.18	25	771007	72	70	91	30.21
64049	RT119020545	570	573	133	4	1	2	2	1	2	1	2	2	1	1	2	D	019551	780420	54	62	29.74	25	780420	63	52	46	29.88

APPENDIX A - LISTING OF VEHICLES

CELL NO=62 MODEL YR(S)=1977

MAKE=TOYOTA MODEL=CORONA

																			DEQ DATA					HTS DATA			
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
70062	RT119050982	570	573	134	4	1	2	2	1	2	1	2	1	2	1	2	G	016938	780501	64	64	30.10	05	780501	65	55	52	30.18
70063	RT11900041729	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	B	008277	780502	66	64	30.05	20	780502	72	57	38	30.17
70076	RT105058301	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	K	009830	780511	54	89	29.95	05	780511	69	56	43	30.16
70111	RT119042195	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	C	022183	780602	78	37	30.00	05	780602	94	72	33	29.89
70114	RT105040188	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	B	015769	780605	86	34	29.95	20	780605	93	75	44	29.92
70138	RT119045141	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	D	013613	780615	67	56	30.20	20	780615	67	58	58	30.24
70198	RT119055677	570	573	134	4	1	2	1	1	2	1	2	1	2	1	2	H	011882	780717	62	63	30.20	05	780717	72	64	66	30.15
70199	RT119045129	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	D	015596	780717	63	64	30.20	05	780717	78	65	49	30.12
70203	RT119042910	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	D	020600	780718	64	65	30.15	10	780718	72	65	69	30.11
70204	RT119039783	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	A	031170	780718	68	61	30.10	05	780718	80	69	57	30.06
70255	RT119056294	570	573	134	4	1	2	2	1	2	1	2	1	2	1	2	K	003911	780807	90	34	29.90	10	780807	91	76	50	29.94
70256	RT119046556	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	G	020511	780807	89	36	29.96	05	780807	90	74	47	29.93
70265	RT119048081	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	E	031198	780810	68	61	29.88	10	780810	82	65	39	29.86
70303	RT119048274	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	F	012031	780822	64	74	29.80	15	780822	75	65	58	29.82
70310	RT119056438	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	J	020452	780824	66	72	30.15	00	780824	75	63	51	30.10
70332	RT119045201	570	573	134	4	1	2	2	1	2	1	2	1	2	1	2	E	028651	780907	64	63	29.95	00	780907	82	66	42	29.92
70336	RT119055437	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	H	013564	780908	58	79	29.80	10	780908	74	64	58	29.77
70338	RT119039697	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	L	032689	780908	58	83	29.75	15	780908	75	66	62	29.71
70347	RT119039508	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	A	027452	780915	68	40	30.00	15	780915	75	60	40	30.24
70405	RT119038416	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	A	029859	781004	69	51	30.08	00	781004	80	65	44	30.04
70430	RT119042330	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	C	021180	781017	63	66	30.20	00	781017	72	62	57	30.14
70431	RT105047680	570	573	134	4	1	2	2	1	2	1	2	1	2	1	2	F	007543	781017	68	58	30.15	25	781017	77	64	48	30.14
70436	RT105049079	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	F	034063	781017	72	50	30.15	15	781017	84	66	37	30.09
70451	RT105048191	570	573	134	4	1	2	2	1	2	1	2	1	2	1	2	E	017030	781020	62	70	30.10	10	781020	73	60	46	30.06
70518	RT119040069	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	L	017660	781110	52	23	30.35	10	781110	70	51	22	30.28
70538	RT119058015	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	L	014661	781116	54	74	30.20	05	781116	70	60	55	30.13
70539	RT119044006	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	D	014441	781117	58	57	30.20	05	781117	74	59	39	30.25
70545	RT119055938	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	J	020014	781121	49	40	29.93	00	781121	73	55	29	29.87
70551	RT119038802	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	M	042849	781127	42	65	30.20	00	781127	69	54	35	30.12
70559	RT119039760	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	G	018956	781128	53	79	30.10	05	781128	65	59	79	30.00
70573	RT119056636	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	M	015420	781201	56	60	29.99	05	781201	70	59	51	30.00
70592	RT119055463	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	H	012251	781207	38	62	30.25	05	781207	65	52	39	30.42
70636	RT119057808	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	K	014291	790103	30	40	30.05	00	790103	64	51	38	30.16
70641	RT119039620	570	573	134	4	1	2	2	1	2	2	2	1	2	1	2	A	025932	790105	36	35	30.18	32	790105	69	53	32	30.26
70644	RT105052318	570	573	134	4	1	2	2	1	2	1	2	1	2	1	2	A	019063	790105	33	32	30.20	15	790105	75	56	27	30.18

APPENDIX A - LISTING OF VEHICLES

CELL NO=63   MODEL YR(S)=1975,1976

MAKE=CADILLAC   MODEL=CALAIS DEVILLE

																			-------DEO DATA-------					-----HTS DATA------				
EPA NO	VEH IDENT NO	MAKE	MODL	CID	C	T	F	EI	CA	CE	AC	EM	AS	CC	ES	TR	TAG	ODOM	DATE	F	RH	BARO	QT	DATE	DB	WB	RH	BARO
50006	6D4955U245067	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	V	018735	780126	43	99	30.25	15	780126	66	57	57	30.26
50091	6D4755U149613	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	L	046247	780526	58	73	30.00	20	780526	72	62	57	30.07
50129	6C47550218475	042	424	500	8	2	3	1	1	2	1	2	2	1	1	2	D	012337	780614	62	58	30.20	20	780614	71	59	48	30.18
50200	6D4955U164454	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	C	023000	780713	72	58	30.02	15	780713	90	74	47	30.00
50212	6D4755U273272	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	M	033082	780712	71	60	30.05	10	780712	85	72	54	30.02
50270	6D4955U167326	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	M	029501	780818	64	74	30.10	20	780818	73	64	61	30.02
50267	6D4955U111749	042	424	500	8	2	3	1	1	2	1	2	2	1	1	2	F	046029	780825	68	58	30.10	10	780825	64	65	39	30.06
50339	6D47550234014	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	H	032021	780921	64	51	30.00	05	780921	73	60	46	29.97
50345	6D4755U179362	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	B	043157	780926	72	50	29.90	10	780926	88	68	35	29.20
50350	6D4755U257041	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	E	041015	780927	65	53	30.15	10	780927	77	63	45	30.14
50409	6D4755U218878	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	D	084106	781024	60	60	30.10	10	781024	72	58	42	30.02
50410	6D4955U214920	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	C	060908	781024	60	59	30.10	15	781024	74	59	39	30.04
50411	6D4755U251040	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	M	035262	781025	52	61	30.10	05	781025	70	56	40	30.06
50476	6D4755U100448	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	J	047882	781122	45	51	30.10	00	781122	60	50	48	30.06
50488	6D4955U190901	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	B	065973	781130	53	75	29.90	17	781130	69	60	59	29.76
50492	6D4955U116929	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	K	063727	781130	53	72	29.85	05	781130	70	56	48	29.78
50506	6D4755U218711	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	D	070271	781207	40	64	30.07	05	781207	75	58	34	30.44
50510	6D4955U246094	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	E	076332	781208	42	55	30.07	02	781208	64	52	43	30.40
56026	6C4755U107323	042	424	500	8	2	3	1	1	2	1	2	2	1	1	2	A	021493	780221	52	86	30.40	25	780221	67	62	75	30.32
56027	6D4955U101247	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	A	023873	780227	48	99	30.25	10	780227	69	65	72	29.84
56040	6D4755U103138	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	D	089477	781220	40	70	30.15	15	781220	68	56	46	30.34
60012	6D4757U300211	042	425	425	8	2	3	1	1	2	1	2	2	1	1	2	G	002846	780202	50	59	29.70	05	780202	59	55	78	30.10
60064	6D4756U108064	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	A	044575	780502	57	76	30.10	25	780502	65	60	75	30.16
60172	6D4956U103254	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	K	029006	780609	65	67	30.00	10	780609	72	62	57	29.96
60161	6D4756U144296	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	L	042692	780614	62	71	30.15	20	780614	70	59	51	30.17
60255	6D4756U100091	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	V	018041	780720	78	47	29.95	30	780720	86	73	54	29.54
60263	6D4956U139165	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	L	028663	780802	68	68	30.06	15	780802	88	74	51	29.96
60332	6D4756U314515	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	G	031417	780823	68	58	30.10	15	780823	78	64	46	30.09
60392	6D4756U265551	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	B	021181	780915	66	47	30.15	15	780915	77	62	42	30.23
60469	6D4756U276555	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	E	017851	781011	68	47	30.35	05	781011	80	62	35	30.25
60523	6D4756U173063	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	B	042532	781026	56	56	30.15	00	781026	72	56	34	30.09
60621	6D4756U164065	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	G	047470	781128	54	62	29.90	10	781128	72	60	49	30.00
60730	6D4956U264415	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	D	038034	790118	38	77	30.05	15	790118	61	52	24	30.20
64052	6D4756U107817	042	425	500	8	2	3	1	1	2	1	2	2	1	1	2	A	036355	780425	64	72	29.75	25	780425	74	65	69	29.78
60046	6D4756U290143	042	423	500	8	2	3	1	1	2	1	2	2	1	1	2	G	042276	781227	39	64	30.05	30	781227	72	56	34	29.95

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

Legend

HC - Hydrocarbon Emissions in Grams per Mile

CO - Carbon Monoxide Emissions in Grams per Mile

CO2 - Carbon Dioxide Emissions in Grams per Mile

NOX - Oxides of Nitrogen (uncorrected) Emissions in Grams per Mile

NOXC - Oxides of Nitrogen Emissions Corrected for Humidity in Grams per Mile

MPG - Miles per Gallon Calculated by the Carbon Balance Method

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                 APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS
CELL NO=01    MODEL YR(S)=1975,1976
   MAKE=AMC                   MODEL=GREMLIN HORNET PACER

        ------------FTP RESULTS------------     -HTS FED SHORT CYCLE RESULTS-     -DEQ FED SHORT CYCLE RESULTS-
EPA NO  HC     CO     CO2    NOX   NOXC  MPG    HC     CO     CO2    NOX   MPG    HC     CO     CO2    NOX   MPG

50062   001.26 015.18 0478.5 02.85 02.50 17.5   001.40 016.25 0365.8 02.57 22.4   001.30 016.61 0368.5 02.55 22.2
50094   001.63 028.63 0428.7 04.29 03.56 18.5   001.78 040.58 0335.7 02.09 21.9   002.12 059.77 0335.0 01.59 20.4
50148   001.82 005.30 0463.7 04.19 03.97 18.6   001.67 002.87 0369.9 04.34 23.4   001.97 003.70 0383.2 04.79 22.4
50149   002.36 040.72 0446.3 02.42 02.35 17.1   002.62 033.05 0362.6 02.73 21.0   001.81 015.56 0429.2 03.35 19.3
50154   001.63 035.61 0406.4 02.75 02.54 19.0   001.17 021.10 0347.3 02.30 23.1   000.99 012.07 0361.5 02.97 23.1

50197   002.22 064.42 0443.6 01.46 01.38 16.1   002.13 068.58 0343.0 01.00 19.4   002.07 070.56 0377.3 01.04 17.9
50209   002.07 032.58 0453.8 01.79 02.09 17.3   001.78 034.05 0349.1 01.31 21.7   001.93 039.62 0348.4 01.44 21.3
50257   002.98 071.86 0410.0 01.67 01.76 16.7   002.40 066.50 0308.6 01.01 21.1   002.40 071.85 0319.6 01.06 20.2
50258   000.32 002.34 0560.5 01.67 01.56 15.2   000.10 000.21 0447.8 01.67 19.8   000.15 001.27 0454.1 01.93 19.4
50301   002.02 028.85 0457.6 03.28 03.07 17.4   001.90 043.97 0354.0 01.88 20.7

50315   002.15 029.30 0457.3 03.30 03.15 17.4   002.24 027.55 0364.4 02.91 21.4
50340   001.87 029.02 0441.8 04.75 04.46 18.0   001.64 027.98 0349.9 03.59 22.2
50370   002.63 055.92 0494.3 01.44 01.37 15.0   002.43 051.10 0374.4 01.19 19.2
50381   001.67 025.40 0485.0 02.70 02.38 16.7   001.33 011.95 0381.0 03.10 21.9
50426   001.20 030.16 0547.9 01.82 01.45 14.8   001.48 038.31 0408.4 01.49 18.7

50445   001.59 027.88 0547.4 02.38 02.06 14.9   001.55 011.08 0455.9 01.77 18.5
50447   002.85 054.21 0417.3 02.76 02.45 17.3   002.49 042.46 0328.9 02.34 22.0
50489   002.16 057.24 0414.5 03.23 02.80 17.3   001.61 040.62 0338.3 02.54 21.8
50524   003.05 046.60 0440.7 04.97 04.26 16.5   002.38 031.76 0356.4 04.30 21.4
54021   001.21 012.25 0487.7 02.55 02.05 17.4   001.18 014.24 0361.2 02.17 22.9   000.94 003.73 0421.3 02.42 20.6

56008   003.24 084.41 0410.8 02.64 02.33 16.0   002.55 074.14 0327.3 01.99 19.6   002.77 070.14 0357.4 02.49 18.0
60001   001.02 011.97 0522.7 05.17 04.35 16.3   000.74 004.45 0425.2 04.18 20.4   000.53 003.61 0451.4 03.56 19.3
60102   001.42 008.39 0450.5 05.09 04.45 18.5   001.16 002.58 0354.7 04.13 24.5   000.92 002.00 0335.9 03.15 25.9
60220   001.17 019.11 0444.7 03.45 03.56 18.5   001.07 012.11 0349.6 02.70 23.8   000.99 011.20 0357.7 03.45 23.4
60269   002.20 037.40 0468.7 03.56 03.63 16.6   001.56 025.29 0393.5 02.33 20.2   001.77 028.42 0415.5 02.65 19.0

60305   001.83 035.19 0443.8 02.95 02.54 17.6   001.40 017.07 0395.6 02.67 20.8   002.21 058.06 0347.8 01.92 19.9
60418   001.42 020.25 0486.7 02.03 01.52 17.0   001.59 027.66 0398.6 01.52 19.8
60440   000.95 010.05 0501.2 03.63 03.37 17.1   000.78 007.11 0402.8 02.91 21.3
60466   003.35 078.58 0472.3 04.05 03.68 14.6   002.36 050.10 0335.9 02.88 21.0
60500   002.50 041.00 0422.9 03.52 03.26 17.9   002.00 028.66 0327.0 02.41 23.4

60514   001.21 010.76 0465.6 03.47 03.16 18.2   001.33 011.00 0364.2 02.26 23.0
60541   001.64 019.19 0449.5 03.22 02.71 18.3   001.65 024.34 0345.1 02.26 22.8
60653   001.39 012.92 0472.8 02.72 02.28 17.8   001.19 005.49 0376.7 02.19 22.8
64004   002.20 031.70 0473.6 04.51 03.82 16.7   001.49 014.89 0394.8 03.56 21.0   001.16 005.81 0428.3 05.25 20.1
64019   001.16 016.39 0507.5 02.10 01.80 16.5   000.64 006.94 0407.6 01.21 21.1   000.81 006.54 0437.2 01.28 19.7

66010   001.68 038.63 0448.3 02.45 02.21 17.2   001.63 039.09 0351.8 01.69 21.2   001.29 017.05 0427.3 03.32 19.4
66014   001.40 023.12 0476.8 04.82 04.06 17.1   000.93 015.21 0398.7 03.14 20.8   001.09 007.83 0442.2 05.02 19.4
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                 APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS
CELL NO=03    MODEL YR(S)=1975,1976,1977
   MAKE=AUDI VW               MODEL=FOX DASHER

        ------------FTP RESULTS------------     -HTS FED SHORT CYCLE RESULTS-     -DEQ FED SHORT CYCLE RESULTS-
EPA NO  HC     CO     CO2    NOX   NOXC  MPG    HC     CO     CO2    NOX   MPG    HC     CO     CO2    NOX   MPG

50063   001.91 022.65 0350.1 03.46 03.22 22.6   001.64 022.98 0264.9 02.18 29.0   001.65 025.23 0267.1 02.29 28.4
50078   002.11 014.79 0325.3 03.16 03.02 25.0   001.71 020.98 0259.6 02.23 29.8   002.00 025.63 0257.4 02.03 29.5
50296   001.71 012.80 0343.2 03.23 03.15 24.1   001.36 011.93 0270.4 02.33 30.2
50320   001.36 014.21 0382.0 01.66 01.60 21.7   001.25 016.39 0300.0 01.24 26.9
50324   003.81 003.28 0429.0 01.54 01.51 19.5   001.49 002.11 0352.7 01.15 24.6

50353   001.90 017.01 0338.4 03.78 03.65 23.5   001.39 007.37 0362.8 04.87 23.4
50377   001.13 006.21 0363.1 03.56 03.23 23.6   000.94 005.42 0291.5 02.83 29.3
50404   001.22 022.41 0354.4 01.83 01.67 22.5   000.55 021.07 0284.9 00.87 27.7
50419   011.90 036.95 0324.7 03.32 02.56 21.1   011.70 033.41 0248.1 02.40 26.3
50423   000.96 009.06 0356.5 02.30 02.03 23.7   000.86 009.50 0305.2 02.19 27.5

50469   000.70 006.62 0342.1 01.85 01.63 25.0   000.27 001.59 0284.8 01.34 30.8
50472   001.66 010.67 0339.7 02.95 02.45 24.5   001.29 015.27 0271.3 02.12 29.6
56007   001.36 014.81 0371.0 03.16 03.05 22.3   001.31 018.15 0300.5 02.39 26.6   001.41 020.35 0275.3 02.40 28.4
56010   001.18 012.96 0412.4 01.57 01.31 20.3   000.82 007.42 0336.7 01.04 25.3   001.06 010.91 0346.8 01.29 24.1
56036   001.44 005.61 0381.6 03.08 02.94 22.5   000.91 004.66 0308.2 02.67 27.8   001.18 007.19 0313.9 02.85 27.0

60141   001.41 019.08 0330.4 02.85 02.66 24.3   001.19 019.28 0279.6 02.01 28.3   001.46 024.71 0286.0 02.75 26.5
60173   001.67 007.99 0361.9 03.63 03.71 23.4   001.20 005.54 0290.9 02.98 29.2   000.97 005.77 0296.7 03.12 28.7
60248   001.26 010.01 0364.5 03.00 03.23 23.1   001.12 012.12 0308.5 02.57 26.8   001.11 009.71 0291.8 02.83 26.6
60260   001.05 005.00 0346.7 02.62 02.56 24.8   000.85 004.98 0296.5 02.09 28.9   001.03 005.70 0302.9 02.23 28.1
60293   001.79 013.01 0328.9 02.13 01.95 25.0   001.73 016.59 0255.4 01.57 30.9   003.01 016.76 0268.9 02.03 29.1

60295   001.16 008.76 0361.2 03.07 03.15 23.4   000.93 009.06 0296.9 02.23 28.2   000.97 010.18 0311.7 03.21 26.8
60567   001.53 008.93 0323.1 02.64 02.17 25.5   001.70 009.20 0276.1 02.21 30.0
60570   000.83 003.63 0404.3 02.41 01.55 21.5   000.75 003.65 0331.2 01.87 26.1
60578   000.69 011.98 0361.1 01.68 01.34 23.2   000.61 012.25 0294.8 01.29 28.1
64057   001.58 008.08 0338.3 02.80 02.30 24.5   001.28 010.66 0261.7 01.83 31.4

66015   002.39 028.60 0311.9 02.65 02.32 24.3   001.31 009.12 0261.8 02.37 31.6   001.69 012.38 0290.8 03.11 28.1
66017   001.42 016.34 0345.3 03.93 03.50 23.6   001.51 028.80 0265.7 02.54 28.1   001.53 023.22 0267.1 02.96 28.8
70027   001.75 014.85 0375.2 02.68 02.32 21.5   001.41 016.77 0319.8 01.62 25.3   001.66 024.43 0304.4 01.57 25.5
70032   001.84 018.66 0328.5 03.25 02.82 24.4   001.54 017.22 0278.1 01.87 28.6   001.78 018.31 0282.0 02.09 28.0
70067   002.41 006.03 0329.0 02.88 02.53 25.6   001.65 006.66 0264.2 01.64 31.7   001.76 006.56 0291.5 02.18 28.8

70105   001.52 015.91 0343.4 01.51 01.64 23.8   001.43 019.23 0276.2 01.03 28.5   001.51 017.52 0297.7 01.27 26.5
70205   001.56 009.80 0371.6 01.87 01.83 22.6   001.40 012.27 0298.4 01.38 27.5   001.54 014.64 0299.4 01.81 27.1
70251   002.42 013.78 0350.9 01.86 01.58 23.3   002.12 019.61 0278.7 01.06 28.0   001.94 019.26 0282.7 01.42 27.8
70478   002.29 010.94 0379.1 02.00 01.68 22.0   001.78 015.00 0289.0 01.34 27.9
70568   001.42 013.22 0326.1 02.46 02.15 25.2   001.18 013.90 0248.1 01.40 32.4

74011   001.53 017.03 0347.5 02.34 01.57 23.4   001.31 020.10 0275.5 01.21 28.5   001.69 027.95 0271.5 01.25 27.6
76007   001.59 017.55 0354.2 04.10 03.66 22.9   001.21 017.12 0290.4 03.10 27.6   001.72 025.99 0281.4 03.35 27.1
76031   001.62 011.17 0313.5 02.58 02.22 26.4   001.43 012.67 0242.9 01.44 33.2   001.77 014.75 0298.5 01.91 27.1
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APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=04 MODEL YR(S)=1975,1976,1977

MAKE=HONDA MODEL=CIVIC

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NCX	MPG	HC	CO	CO2	NOX	MPG
50001	000.97	014.45	0339.6	02.34	02.C8	24.3	000.59	015.85	0285.0	01.12	28.4	000.69	012.20	0283.5	01.47	29.1
50016	001.70	012.33	0320.4	02.73	02.33	25.7	001.03	011.97	0268.5	01.55	30.5	001.07	011.93	0282.0	01.61	29.2
50025	002.19	011.53	0329.9	02.30	01.85	25.C	001.06	010.69	0280.6	01.41	29.5	000.79	008.13	0297.6	01.69	28.3
50028	001.01	015.49	0337.9	02.16	01.85	24.3	001.13	008.31	0271.0	01.73	30.8	001.12	005.95	0281.5	02.14	30.1
50034	000.61	022.73	0378.6	01.31	01.2C	21.3	000.38	023.99	0341.1	00.78	23.3	000.89	012.12	0298.9	01.76	27.6
50037	001.20	011.73	0321.9	01.58	C1.72	25.8	000.85	010.92	0284.4	01.33	29.1	000.86	009.97	0294.1	01.78	28.4
50144	001.52	019.05	0323.3	01.69	01.63	24.8	001.02	016.11	0272.1	01.15	29.5	000.89	010.42	0293.6	01.57	28.4
50157	001.74	014.21	0313.9	01.91	C2.21	25.5	001.07	016.38	0269.0	01.00	29.7	000.77	010.33	0290.4	01.60	28.7
50193	001.61	013.14	0326.6	02.53	02.C3	25.2	000.97	010.64	0284.9	01.96	29.1	001.20	013.60	0268.0	01.67	30.3
50279	001.09	021.64	0335.0	02.24	02.13	23.8	000.84	018.60	0263.6	01.21	30.0	001.39	019.10	0275.0	01.77	28.7
50297	001.44	024.41	0330.3	01.73	01.64	23.8	001.25	011.84	0285.2	01.72	28.8					
50300	001.42	026.45	0360.5	02.04	01.52	21.8	000.86	018.41	0298.5	01.76	26.9					
50303	001.68	021.14	0324.5	01.56	C1.78	24.4	001.61	018.43	0272.6	01.16	28.9					
50403	002.15	013.01	0332.0	01.36	01.26	24.7	001.04	010.09	0271.4	00.84	30.5					
50408	001.74	020.55	0322.7	02.15	01.77	24.6	001.44	016.90	0258.3	01.03	30.6					
50414	000.93	013.41	0371.3	02.67	C2.28	22.4	000.69	012.05	0301.3	01.46	27.5					
50431	001.17	019.00	0318.3	02.94	C2.5C	25.2	000.86	017.72	0257.3	01.43	30.8					
50484	001.01	019.20	0305.7	01.47	01.31	26.2	000.71	017.52	0251.7	00.80	31.5					
50487	001.37	022.32	0345.3	01.36	01.17	25.C	000.94	015.26	0246.0	00.90	32.5					
50542	001.66	020.89	0304.5	02.22	01.75	25.5	001.02	016.80	0244.2	01.13	32.4					
54034	000.86	012.54	0367.6	02.14	01.58	22.7	000.76	009.40	0297.3	01.36	28.2	000.59	011.21	0311.4	01.58	26.8
56011	000.62	015.49	0339.9	02.77	C2.42	24.2	000.39	013.96	0283.7	01.25	28.9	000.68	009.34	0336.0	02.75	25.1
60027	001.83	013.12	0303.3	02.94	C2.41	26.5	001.10	011.84	0251.3	01.86	32.4	001.17	010.25	0288.0	02.47	28.8
60043	001.21	017.74	0321.9	01.76	01.57	25.1	000.75	014.01	0270.9	01.10	30.0	000.84	010.69	0277.3	01.47	29.9
60049	001.28	009.02	0345.5	04.12	C3.52	24.4	001.01	010.75	0283.3	02.65	29.2	000.81	010.73	0284.1	02.34	29.2
60052	000.78	017.21	0388.3	01.83	C1.54	21.2	000.91	013.67	0295.2	01.27	27.8	000.84	007.87	0339.0	02.26	25.C
60054	002.09	011.19	0306.6	02.50	02.15	26.8	001.15	014.61	0258.2	01.38	31.1	001.06	012.76	0283.5	01.76	28.9
60228	001.16	015.69	0323.4	02.34	C2.13	25.2	001.29	013.79	0257.8	01.34	31.3	001.00	011.94	0266.9	01.72	30.7
60249	002.41	015.08	0302.0	01.65	01.74	26.6	001.57	016.71	0256.7	01.00	30.8	001.50	020.74	0246.4	00.81	31.3
60296	000.53	025.03	0420.1	00.79	00.75	19.2	000.68	010.96	0303.7	00.92	27.5	000.72	012.91	0322.6	01.28	25.7
60299	001.41	012.64	0355.7	02.13	02.42	24.6	001.36	010.27	0289.6	01.50	28.6	001.02	022.06	0259.4	00.96	29.8
60303	001.40	023.38	0306.0	01.87	02.12	25.5	001.23	021.02	0262.1	01.24	29.7	001.09	023.39	0250.0	01.12	30.6
60432	001.79	011.27	0306.9	02.52	C2.51	26.5	000.86	013.45	0257.1	01.61	31.6					
60565	000.96	012.79	0347.2	01.81	C1.45	23.5	001.09	010.80	0280.8	00.98	29.4					
64021	001.66	012.64	0343.0	02.32	C1.5C	24.1	000.87	010.97	0288.6	01.57	28.7	001.04	009.72	0310.3	02.01	27.0
66037	001.01	013.25	0339.2	02.62	C2.46	24.4	001.10	013.92	0275.9	01.69	29.4	001.10	018.28	0336.5	02.43	24.1
70034	000.75	012.44	0351.6	02.27	01.55	23.7	000.42	012.49	0293.9	01.23	28.2	000.69	009.16	0327.8	C2.41	25.8
70036	000.91	012.86	0325.6	02.12	01.81	25.4	000.96	011.50	0261.8	01.50	31.3	000.75	011.83	0297.8	01.75	27.8
70038	001.96	013.51	0312.9	02.35	C2.C1	26.1	001.10	011.11	0263.5	01.46	31.2	000.70	013.18	0302.1	02.16	27.3
70072	000.73	011.47	0347.8	02.17	01.56	24.1	000.53	012.38	0288.0	01.14	28.7	000.51	013.29	0282.1	01.08	29.1
70163	001.27	017.64	0351.1	02.25	C2.C6	23.2	000.96	016.26	0289.9	01.20	27.8	000.70	013.32	0284.5	01.40	28.8
70175	000.71	014.73	0325.7	01.76	01.77	25.3	000.56	017.45	0285.1	00.79	28.2	000.49	018.33	0293.9	00.62	27.3
74009	001.22	017.96	0333.6	02.17	02.14	24.2	000.45	015.12	0282.5	01.17	28.8	000.48	007.78	0270.4	01.79	31.2
74019	000.94	010.48	0348.2	02.13	C1.8C	24.1	000.53	012.16	0274.5	01.04	30.0	000.86	010.24	0296.4	01.28	28.1

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=05 MODEL YR(S)=1975,1976,1977

MAKE=HONDA MODEL=CIVIC CVCC

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CU2	NUX	NOXC	MPG	HC	CU	CU2	NCX	MPG	HC	CU	CO2	NOX	MPG
50056	000.85	006.28	0355.9	02.C9	01.67	24.1	000.26	002.42	0292.3	01.55	29.9	000.39	003.19	0279.0	01.47	31.1
50126	000.56	004.64	0320.7	02.37	C2.3C	26.9	000.38	003.08	0261.1	01.54	33.2	000.57	003.62	0275.8	01.71	31.3
50211	001.13	006.64	0353.4	01.57	02.C5	24.1	000.52	005.04	0306.5	01.66	28.1	000.50	005.52	0295.2	01.64	29.0
50217	000.98	011.25	0390.0	01.05	01.22	21.6	000.10	001.34	0317.4	00.75	27.7	000.25	003.02	0306.5	00.98	28.4
50240	000.90	005.55	0333.7	01.37	01.46	25.7	000.17	002.04	0278.3	01.02	31.4	001.79	022.94	0263.6	01.14	29.1
50249	001.11	011.81	0367.4	01.24	01.4C	21.7	000.29	004.95	0311.9	00.92	27.7	000.46	009.88	0303.8	01.06	27.6
50269	001.78	015.77	0310.4	01.97	01.54	26.C	001.35	014.64	0244.9	01.46	32.6	000.94	006.84	0263.0	01.81	32.0
50282	001.44	009.18	0355.7	01.52	C1.68	23.7	000.27	003.07	0289.0	01.05	30.1	000.50	005.29	0311.0	01.13	27.6
50306	001.36	009.01	0357.3	02.24	02.C8	23.6	001.05	013.24	0252.3	01.31	32.1					
50321	001.35	005.81	0318.9	03.11	02.56	26.7	001.05	014.61	0247.8	01.94	32.4					
50326	000.92	006.70	0378.1	01.25	C1.16	22.7	000.22	003.35	0300.8	01.00	28.9					
50329	000.54	005.20	0359.3	02.49	02.23	24.C	000.34	003.01	0292.4	01.78	29.7					
50375	002.22	012.49	0353.3	02.21	C2.C4	23.3	000.93	010.21	0297.1	01.78	28.1					
50395	000.96	006.93	0324.6	02.42	02.17	26.2	000.70	003.73	0256.8	01.99	33.5					
50397	001.06	006.35	0365.6	02.C3	01.85	23.4	000.38	004.56	0293.4	01.59	29.4					
50536	000.71	003.63	0351.6	02.00	C1.58	24.7	000.32	004.14	0287.3	01.70	30.1					
50539	000.73	008.22	0343.7	02.36	C1.85	24.7	000.51	005.82	0281.9	02.09	30.3					
54026	002.10	007.33	0333.4	01.8C	01.59	25.2	001.27	009.16	0262.4	01.32	31.6	001.37	007.04	0258.9	01.14	32.3
54033	001.14	006.56	0340.7	02.45	02.C5	25.C	001.78	027.08	0276.2	01.73	27.3	000.48	004.19	0321.2	02.51	26.9
60105	000.88	004.90	0339.1	01.34	01.15	25.4	000.28	002.26	0281.5	01.15	31.0	000.40	002.82	0283.4	00.88	30.7
60106	000.77	005.01	0324.8	01.52	01.77	26.5	000.45	003.10	0264.4	01.53	32.8	000.51	003.39	0276.5	01.36	31.3
60121	000.83	006.06	0308.6	02.33	02.48	27.6	000.82	003.14	0234.6	01.93	36.6	000.82	003.44	0251.7	01.89	34.2
60187	001.57	006.32	0310.7	02.48	02.62	27.2	C01.05	003.66	0237.0	01.88	36.C	001.13	003.69	0270.1	02.61	31.7
60195	000.43	004.16	0348.2	01.48	01.43	24.5	000.22	003.12	0283.1	01.32	30.7	000.43	003.21	0295.7	01.15	29.4
60244	000.72	004.70	0332.9	01.66	C1.64	25.9	000.44	003.51	0271.3	01.89	31.9	000.48	003.63	0278.3	01.53	31.1
60405	000.77	004.53	0319.1	03.36	03.C4	27.C	000.83	002.57	0260.3	04.18	33.2					
60510	000.94	006.05	0340.1	04.05	C3.5C	25.2	001.05	003.53	0279.5	05.02	30.8					
60521	001.01	005.94	0316.7	02.22	01.86	26.5	000.55	003.65	0261.1	02.09	33.0					
60542	000.85	007.35	0329.5	02.28	01.95	25.8	000.53	003.19	0251.6	01.97	34.3					
60561	001.04	005.80	0326.0	01.03	00.87	26.2	000.47	002.43	0261.1	01.01	33.3					
60580	000.88	004.41	0335.3	01.6C	01.3C	25.7	000.25	002.74	0270.3	01.63	32.2					
60691	012.37	024.85	0332.1	01.54	01.24	21.6	000.21	002.85	0256.5	01.30	33.9					
64016	000.72	006.69	0355.5	02.09	01.74	24.1	000.42	004.09	0266.2	01.71	32.4	014.30	003.21	0276.3	01.31	27.1
64059	000.96	004.82	0403.6	01.13	C1.CC	21.4	000.31	008.30	0293.2	01.16	28.9					
66009	001.59	005.09	0304.7	01.11	01.C2	27.9	000.52	002.88	0262.2	00.92	33.0	000.54	CC3.02	0271.5	01.19	31.9
70094	001.48	006.32	0284.2	02.64	01.55	29.7	001.03	003.20	0238.2	02.35	36.0	001.08	003.27	0240.7	01.97	35.6
70125	001.12	006.43	0266.6	01.39	01.28	31.6	000.55	002.57	0231.0	01.06	37.5	000.73	003.07	0237.5	01.43	36.3
70468	000.83	005.56	0273.1	01.61	C1.36	31.2	000.60	003.81	0233.1	01.53	36.8					
70642	002.46	009.92	0282.2	01.48	01.16	29.C	000.48	002.64	0225.7	01.61	38.3					
70669	000.91	004.97	0296.3	02.00	01.67	28.9	000.50	003.70	0240.0	01.97	35.8					

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                                         APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS
CELL NO=06     MODEL YR(S)=1976,1977
   MAKE=DODGE PLYMOUTH          MODEL=COLT ARROW

          -------------FTP RESULTS-------------        -HTS FED SHORT CYCLE RESULTS-        -DEQ FED SHORT CYCLE RESULTS-
EPA NO    HC      CO      CO2     NOX   NOXC   MPG      HC      CO      CO2     NOX   MPG     HC      CO      CO2     NOX   MPG

60031  001.16 020.11 0343.5 02.56 02.51 23.4    000.69 013.69 0271.3 01.94 30.1   000.78 012.06 0323.2 03.14 25.7
60040  001.35 020.37 0367.7 02.51 02.09 21.9    000.95 011.21 0293.3 01.80 28.3   000.79 008.67 0328.7 02.46 25.7
60138  000.99 012.11 0359.3 03.27 02.87 23.2    000.74 008.54 0283.3 02.22 29.6   000.83 011.94 0288.0 02.54 28.7
60142  001.29 024.57 0330.3 02.45 02.35 23.8    000.95 015.36 0274.9 01.68 29.4   000.91 016.05 0276.9 02.14 28.8
60164  001.59 035.13 0401.0 02.26 02.11 19.2    001.27 026.05 0318.2 01.69 24.4   002.02 030.34 0318.9 01.98 23.8

60236  002.59 032.73 0327.7 02.91 02.96 22.9    001.25 025.44 0270.7 02.10 28.2   001.21 024.34 0277.6 02.44 27.7
60262  000.77 022.28 0390.5 01.78 01.74 20.7    000.93 022.88 0301.0 01.24 26.1   000.76 016.95 0315.8 01.58 25.7
60266  003.01 029.38 0369.3 03.76 03.91 20.9    002.08 027.80 0304.2 03.13 25.0   001.34 019.25 0320.0 03.65 25.0
60268  001.29 021.35 0319.5 03.32 03.35 24.8    001.06 016.21 0253.5 02.47 31.4   001.08 025.96 0243.6 02.20 30.8
60311  001.09 015.65 0373.7 04.20 04.19 22.1    000.79 010.01 0305.4 03.10 27.4   000.97 011.39 0318.1 03.99 26.2

60330  001.38 021.73 0309.5 03.64 03.54 25.5    001.01 017.70 0253.4 02.53 31.2   001.18 021.07 0265.6 03.09 29.3
60368  002.13 030.43 0326.8 03.52 03.45 23.3    001.32 020.15 0265.0 02.60 29.5
60391  001.66 034.58 0426.8 03.27 02.89 18.2    001.34 028.07 0353.8 03.05 22.1
60396  001.23 025.06 0356.1 03.16 02.84 22.2    001.02 021.65 0287.3 02.34 27.3
60420  001.27 015.43 0367.6 04.40 04.08 22.4    000.96 010.39 0303.2 03.65 27.5

60463  001.77 022.47 0418.2 05.02 04.52 19.3    001.27 017.76 0341.7 03.75 23.7
60508  002.33 043.37 0309.7 03.06 02.63 23.0    001.92 040.48 0250.4 01.86 27.7
60527  002.05 031.33 0429.3 02.11 01.83 18.3    001.56 029.56 0342.1 01.51 22.5
60528  001.47 022.73 0365.6 03.43 02.96 20.8    001.30 017.79 0311.7 02.71 25.6
60560  001.22 024.78 0350.6 04.60 03.92 22.5    000.91 015.72 0285.4 03.32 28.3

60636  001.07 021.89 0326.9 02.98 02.43 24.3    000.90 016.93 0271.0 01.77 29.5
66011  002.14 032.12 0396.1 02.25 02.07 19.6    001.63 020.87 0331.5 01.72 24.0   002.15 025.95 0346.6 01.96 22.5
66028  001.72 030.00 0335.2 03.06 02.64 22.8    001.25 024.62 0280.1 02.49 27.5   001.05 015.64 0306.3 03.11 26.4
70062  001.77 010.63 0322.1 02.37 02.18 25.7    001.21 009.67 0257.6 01.24 32.1   001.33 014.75 0245.1 01.11 32.5
70171  001.53 017.97 0356.8 01.21 01.13 22.7    001.10 015.41 0296.8 00.71 27.3   001.44 022.64 0267.1 01.69 28.9

70248  002.25 022.14 0338.6 01.15 01.21 23.3    001.83 021.44 0267.0 00.60 28.9   001.75 032.23 0250.0 00.74 29.0
70401  000.87 011.59 0495.5 01.22 01.11 17.2    000.79 015.94 0392.2 00.83 21.1
70459  001.16 020.03 0370.3 01.21 01.01 21.9    000.82 023.68 0284.1 00.58 27.4
70530  001.89 040.55 0320.2 02.09 01.87 22.7    001.73 042.39 0253.3 01.31 27.3
70533  000.86 012.41 0411.6 01.78 01.55 20.4    000.62 011.07 0320.8 01.01 26.1

70565  001.19 019.41 0325.9 03.72 03.30 24.6    000.84 017.76 0251.7 02.19 31.4
70600  001.37 013.43 0316.8 02.45 02.05 25.9    000.95 008.81 0253.9 01.70 32.7
70601  002.37 053.51 0375.7 04.34 03.71 19.0    001.77 052.94 0293.4 02.67 23.2
70612  001.70 016.06 0362.2 02.61 02.39 22.6    001.00 017.95 0280.9 02.00 28.4
70618  001.20 013.57 0308.1 04.50 03.89 26.6    000.72 007.08 0236.8 03.28 35.4

70637  002.01 052.79 0384.4 01.23 01.00 16.7    001.66 047.98 0279.6 00.73 24.6
70649  001.22 015.89 0365.9 02.31 01.83 22.5    000.92 014.73 0278.1 01.43 29.2
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                                         APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS
CELL NO=07     MODEL YR(S)=1975,1976
   MAKE=DATSUN                    MODEL=B210

          -------------FTP RESULTS-------------        -HTS FED SHORT CYCLE RESULTS-        -DEQ FED SHORT CYCLE RESULTS-
EPA NO    HC      CO      CO2     NOX   NOXC   MPG      HC      CO      CO2     NOX   MPG     HC      CO      CO2     NOX   MPG

50002  001.10 010.23 0330.4 02.56 02.35 25.3    000.80 004.98 0275.7 05.14 31.0   001.04 005.56 0282.3 02.17 30.1
50165  000.99 008.62 0344.4 02.78 02.88 24.6    000.91 006.40 0286.2 01.55 29.6   000.89 005.88 0267.2 01.41 31.8
50210  001.08 014.02 0295.0 02.58 02.50 27.7    000.85 006.42 0247.4 02.33 34.1   000.83 005.98 0239.2 02.95 35.3
50235  001.05 011.14 0354.1 02.21 02.51 23.7    001.13 010.93 0370.4 03.07 22.7   001.41 012.46 0259.4 03.59 31.3
50244  001.32 008.57 0296.7 02.93 02.72 28.2    000.98 005.34 0246.8 01.99 34.3   002.84 014.19 0244.3 01.86 32.2

50271  001.64 010.31 0292.3 03.59 03.58 28.3    001.19 005.33 0237.3 02.14 35.5   001.29 004.94 0238.8 02.51 35.4
50334  000.66 011.12 0364.7 02.02 01.96 23.1    000.47 009.25 0299.0 00.96 28.1
50343  001.57 009.70 0305.3 04.61 04.66 27.2    001.63 013.14 0238.8 02.83 33.1
50392  002.13 008.04 0302.1 03.00 02.83 27.6    001.78 004.32 0248.9 01.88 33.9
50398  001.30 011.40 0324.1 04.93 04.60 25.6    001.02 009.84 0260.5 03.49 31.8

50483  001.16 014.40 0341.2 02.22 02.14 26.3    001.19 009.43 0250.4 01.33 33.0
50485  000.73 006.58 0323.6 03.16 02.75 26.4    000.55 002.69 0256.8 01.92 33.7
54019  001.37 009.58 0301.8 04.67 04.33 27.6    001.18 004.33 0256.7 03.90 33.2   001.22 007.63 0258.1 04.00 32.4
54020  001.47 009.53 0309.2 03.10 02.50 27.0    001.21 004.00 0243.1 01.68 35.0   001.00 005.63 0274.5 02.04 30.9
54031  001.00 008.44 0328.5 03.32 02.89 25.7    000.86 004.05 0272.5 01.87 31.5   000.85 003.49 0292.4 02.27 29.5

54043  001.97 011.78 0307.2 04.33 03.75 26.7    001.27 006.88 0235.1 01.71 35.5
56025  001.25 032.21 0338.4 02.03 02.01 22.6    001.00 005.80 0246.4 01.49 34.3   001.15 005.82 0270.3 02.05 31.3
60007  001.15 008.20 0306.4 02.95 02.52 27.5    000.72 004.13 0255.4 01.89 33.6   000.86 004.16 0272.3 02.00 31.5
60017  001.52 007.90 0306.9 03.39 03.17 27.4    001.05 004.10 0242.9 02.10 35.1   001.17 005.69 0267.5 02.32 32.0
60023  001.40 008.02 0339.3 03.38 02.96 24.9    001.05 006.05 0278.6 01.78 30.4   001.05 004.32 0280.5 02.17 30.5

60037  001.51 010.43 0305.9 03.25 02.80 27.1    001.03 006.35 0251.2 01.98 33.5   001.20 006.65 0288.6 02.69 29.3
60039  001.13 007.24 0322.7 04.02 03.38 26.3    000.89 003.82 0259.0 02.59 33.1   001.03 004.70 0287.9 02.70 29.7
60044  001.79 007.42 0304.2 02.90 02.42 27.6    001.21 005.24 0246.6 01.75 34.3   001.12 005.84 0274.5 02.03 30.9
60059  001.55 009.35 0296.9 03.41 03.13 28.0    001.04 005.93 0255.3 02.07 33.1   001.31 006.62 0264.2 02.51 31.8
60060  001.21 010.55 0320.8 03.65 03.21 26.0    001.01 007.21 0259.0 02.15 32.4   001.15 008.06 0278.2 02.88 30.1

60065  001.86 007.67 0300.4 02.85 02.52 27.8    001.30 004.52 0250.9 01.66 33.8   001.29 004.51 0263.9 01.88 32.2
60067  001.24 005.88 0323.3 02.84 02.41 26.4    001.02 004.21 0274.6 01.65 31.2   001.12 004.34 0297.9 01.76 28.8
60070  001.26 011.56 0343.3 02.61 02.48 24.3    000.97 006.93 0290.8 01.40 29.1   001.21 006.87 0300.1 01.32 28.2
60071  001.89 009.62 0306.9 04.64 04.08 27.0    001.33 005.41 0253.0 03.48 33.4   001.19 005.06 0262.8 04.17 32.3
60196  000.82 010.00 0314.8 02.58 02.44 26.6    000.58 004.52 0263.2 01.81 32.6   000.83 006.11 0309.1 02.41 27.3

60203  001.74 009.00 0310.4 03.23 02.93 26.9    001.27 005.92 0265.4 01.92 31.8   001.16 005.50 0262.8 02.22 32.2
60204  001.26 015.75 0305.5 03.04 02.81 26.5    000.88 005.91 0251.1 02.17 33.7   000.84 006.27 0258.4 02.16 32.7
60251  001.24 013.60 0339.6 02.73 02.70 24.3    000.95 004.38 0278.1 01.85 30.8   002.35 022.36 0259.1 01.62 29.4
60256  001.14 010.66 0317.8 02.31 02.48 26.2    000.93 005.71 0263.5 01.43 32.2   000.92 005.90 0256.2 01.53 33.0
60378  001.16 009.04 0320.7 03.15 02.91 26.2    001.02 008.18 0255.9 02.02 32.6

60389  001.06 007.67 0322.7 03.16 02.83 26.2    000.75 005.62 0257.4 01.75 33.0
60456  001.88 012.76 0302.3 02.65 02.49 27.0    001.27 009.43 0248.0 01.49 33.2
60590  001.47 008.30 0316.0 03.30 02.95 26.6    000.94 005.69 0257.5 01.98 32.9
60612  001.20 016.70 0324.7 02.61 02.35 25.0    000.93 008.22 0251.8 02.34 33.1
64017  001.04 007.23 0322.3 02.40 02.21 26.3    000.84 002.96 0267.4 01.19 32.3   000.77 004.62 0319.1 01.67 27.0

64028  001.63 007.50 0307.1 02.85 02.50 27.4    000.97 005.17 0260.5 01.79 32.6   001.32 005.70 0280.1 01.91 30.2
64034  001.19 007.61 0328.8 03.38 02.95 25.7    001.04 005.55 0273.8 02.20 31.0   001.15 006.22 0271.7 02.58 31.1
64042  001.16 009.17 0334.7 02.41 02.20 25.1    000.74 006.10 0284.5 01.33 29.9   000.95 006.76 0317.7 01.64 26.8
66030  001.85 005.43 0299.1 03.09 02.65 28.3    001.35 002.85 0236.8 01.80 36.1   001.41 002.94 0252.8 02.20 33.9
66031  001.04 010.38 0348.3 03.17 02.84 24.1    000.77 005.80 0267.2 01.76 31.8   000.80 005.45 0275.2 01.86 31.0
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APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=08 MODEL YR(S)=1977

MAKE=DATSUN MODEL=B210

EPA NO	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70099	001.07	016.84	0308.8	02.36	02.05	26.2	000.81	012.96	0260.0	01.76	31.3	001.41	014.08	0236.1	02.56	33.8
70100	001.01	016.21	0320.6	03.11	02.78	25.2	000.74	017.73	0260.2	02.16	30.5	000.90	012.77	0271.1	02.63	30.2
70101	001.93	013.94	0314.7	02.69	02.32	25.5	001.36	012.30	0248.5	01.56	32.6	001.29	006.88	0260.4	01.99	31.8
70115	001.07	010.56	0302.2	02.02	01.91	27.5	000.79	006.03	0246.8	01.28	34.3	001.15	008.24	0252.2	01.37	33.0
70127	001.18	013.12	0276.8	03.17	02.54	25.4	000.87	007.30	0223.7	02.42	37.3	001.23	020.40	0216.8	01.97	35.1
70140	001.40	015.26	0303.8	03.75	03.51	26.7	001.16	007.39	0254.6	03.39	32.9	001.18	008.71	0251.6	03.55	33.0
70166	000.99	008.23	0314.3	01.88	01.99	26.8	000.85	007.37	0259.1	01.42	32.4	001.13	020.41	0267.7	01.31	29.2
70216	001.68	014.76	0310.9	01.66	01.68	26.1	001.19	010.77	0253.0	01.16	32.4	001.45	026.21	0245.2	01.03	30.5
70217	000.94	012.66	0311.7	01.44	01.59	26.5	000.81	010.43	0259.8	00.87	31.8	000.99	016.04	0262.3	01.15	30.5
70229	000.16	001.90	0327.2	01.89	01.88	26.8	000.13	001.60	0269.1	00.95	32.6	000.18	004.64	0282.0	00.89	30.6
70267	000.88	008.79	0346.1	01.53	01.45	24.5	000.87	003.27	0272.4	01.42	31.6	000.89	006.99	0287.2	01.24	29.5
70266	000.34	004.58	0344.9	01.52	01.43	25.1	000.13	000.35	0276.6	00.92	31.9	000.17	001.96	0284.3	00.86	30.6
70284	001.47	010.13	0301.4	01.84	01.71	27.5	000.89	007.27	0251.6	01.16	33.4	000.87	007.66	0258.1	01.49	32.[illegible]
70306	001.35	010.84	0317.5	01.68	01.73	26.2	000.97	007.20	0248.3	00.93	33.8	001.15	005.83	0270.1	01.37	31.[illegible]
70313	000.96	015.70	0327.7	01.42	01.39	25.0	000.74	016.84	0257.1	00.79	31.0	000.96	014.77	0277.3	01.12	29.[illegible]
70348	001.69	012.17	0304.7	03.04	02.72	26.9	001.40	009.04	0244.5	01.89	33.6					
70364	001.09	011.72	0305.2	03.76	03.45	27.1	000.89	013.16	0247.8	02.49	32.7					
70378	001.37	016.02	0310.0	01.84	01.76	25.3	001.12	021.70	0255.3	01.10	30.3					
70385	002.21	011.28	0317.2	02.05	01.50	25.9	001.57	008.73	0257.4	01.17	32.1					
70387	001.21	011.96	0323.6	03.90	03.53	25.6	001.04	011.52	0257.2	02.72	31.8					
70438	000.76	006.45	0273.1	02.89	02.63	31.0	000.81	008.55	0215.4	01.64	38.3					
70457	001.72	009.43	0317.2	01.97	01.68	26.3	000.95	005.26	0256.4	01.45	33.1					
70461	000.60	011.78	0375.2	02.60	02.13	22.4	000.45	014.12	0287.6	01.75	28.5					
70469	001.36	006.27	0328.8	02.22	01.54	25.5	001.30	004.97	0251.1	01.67	33.7					
70485	000.30	005.54	0333.2	01.12	01.04	25.9	000.08	001.17	0264.1	00.63	33.3					
70521	000.88	011.63	0389.6	01.31	01.05	21.6	000.55	007.94	0313.6	00.83	27.0					
70546	000.62	010.03	0390.3	01.91	01.59	21.7	000.40	010.73	0321.4	01.36	26.1					
70563	005.93	007.77	0326.8	03.53	03.12	24.8	004.19	007.28	0244.0	02.08	33.0					
70609	000.99	014.46	0305.5	02.92	02.41	26.8	000.75	013.67	0240.5	01.86	33.5					
70620	001.10	012.04	0317.1	03.66	03.23	26.1	000.76	009.62	0252.5	02.50	32.8					
70622	000.88	013.29	0325.0	02.67	02.20	25.4	000.67	016.80	0263.4	01.71	30.4					
70625	001.58	012.61	0379.4	03.15	02.54	21.9	001.19	006.20	0298.9	02.25	28.4					
70634	001.15	008.54	0315.5	02.52	01.55	26.7	000.91	005.77	0303.1	02.18	28.2					
74012	001.09	012.74	0306.1	01.74	01.51	26.9	000.78	009.35	0248.5	01.17	33.4	000.93	006.53	0277.3	01.51	30.5
76032	001.43	012.95	0316.2	02.32	02.15	26.0	001.01	008.09	0247.1	01.45	33.7	001.16	012.55	0281.7	01.88	29.1

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=09 MODEL YR(S)=1975,1976

MAKE=TOYOTA MODEL=COROLLA

EPA NO	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50008	000.97	011.99	0409.9	02.31	02.15	20.5	000.42	007.76	0330.8	01.71	25.8	000.76	007.24	0386.2	03.23	22.2
50022	000.93	009.58	0423.2	02.18	01.85	20.1	000.68	008.13	0352.4	01.53	24.1	000.94	008.62	0379.1	01.92	22.4
50035	001.37	013.35	0404.2	02.13	01.58	20.6	000.75	009.25	0337.1	01.71	25.0	000.74	008.11	0347.3	01.91	24.[illegible]
50039	001.23	012.24	0438.3	01.66	01.41	19.2	000.71	005.81	0374.0	01.29	23.0	000.86	006.46	0401.5	01.41	21.4
50052	000.80	009.31	0394.4	01.90	01.61	21.5	000.58	007.72	0316.4	01.14	26.8	000.81	007.34	0310.0	02.01	27.4
50097	001.00	015.42	0409.5	02.08	02.17	20.3	000.55	009.74	0339.4	01.46	24.9	000.52	006.26	0336.6	01.80	25.[illegible]
50104	000.87	012.49	0385.3	02.63	02.59	21.8	000.70	009.86	0313.3	01.96	26.8	000.74	010.42	0318.9	02.19	26.5
50120	001.70	010.59	0378.0	01.57	01.80	22.2	000.98	006.74	0304.9	01.26	27.8	001.27	007.89	0299.9	01.78	28.0
50265	001.62	010.91	0380.9	02.03	01.89	22.0	000.77	008.11	0319.8	01.44	26.5	001.50	007.18	0304.4	01.84	27.7
50275	001.71	018.30	0371.1	03.06	03.02	21.9	001.01	013.46	0305.8	02.15	26.9	001.71	010.93	0319.3	02.88	25.9
50314	001.51	012.81	0371.0	02.70	02.53	22.4	001.12	009.50	0296.8	02.01	28.1					
50374	001.21	012.39	0397.5	02.29	02.06	21.1	000.86	011.50	0321.1	01.73	25.9					
50421	001.12	013.98	0402.7	03.30	02.85	20.7	000.66	009.86	0333.8	02.22	25.2					
50459	001.46	011.41	0447.8	03.28	02.54	18.9	000.92	007.44	0349.8	02.18	24.3					
50471	001.25	010.38	0377.1	02.55	02.05	22.3	001.14	007.65	0306.6	01.87	27.5					
50479	001.55	025.94	0390.5	01.78	01.50	20.3	001.71	046.81	0281.7	01.03	24.6					
50522	001.04	011.70	0434.2	02.64	02.20	19.5	000.60	008.99	0362.5	02.01	23.4					
50550	001.14	012.84	0386.1	03.10	02.55	21.6	000.72	009.38	0314.0	02.02	26.8					
54017	001.21	011.19	0394.0	04.73	03.89	21.3	000.93	009.59	0357.7	02.40	23.6	001.02	012.65	0321.2	02.21	25.6
54030	001.43	011.75	0422.7	03.14	02.64	19.9	001.28	009.08	0336.7	02.22	25.0	001.06	007.66	0368.8	02.94	23.1
54038	002.08	010.42	0406.4	01.92	01.77	20.7	001.32	007.56	0341.7	01.75	24.8	001.34	007.83	0350.9	02.37	24.1
56009	001.59	019.92	0357.4	03.42	02.81	22.5	000.86	013.69	0290.3	02.13	27.9	000.95	013.05	0325.4	01.77	25.4
60135	001.14	012.15	0371.4	02.55	02.57	22.5	000.88	012.91	0297.8	01.96	27.6	001.04	014.44	0309.3	02.21	26.4
60213	002.60	007.98	0336.1	02.95	02.57	24.8	001.93	004.74	0284.1	02.36	29.8	001.45	004.69	0288.0	02.59	29.6
60291	001.68	014.19	0332.9	02.17	02.02	24.6	000.92	010.72	0266.5	01.42	31.0	000.95	012.61	0288.0	01.75	28.5
60364	001.69	015.79	0360.1	02.85	02.61	22.7	000.88	014.56	0293.0	01.63	27.8					
60397	003.86	037.48	0344.7	02.34	02.09	21.3	002.48	032.95	0281.9	01.53	26.0					
60410	001.52	016.06	0390.3	02.79	02.67	21.1	000.86	012.81	0311.5	01.89	26.5					
60433	001.88	010.46	0399.4	02.53	02.33	21.0	001.13	011.57	0327.4	01.82	25.4					
60439	001.79	014.22	0372.2	02.64	02.46	22.2	001.17	013.43	0303.0	01.74	27.1					
60457	001.65	009.08	0363.1	02.76	02.52	23.2	001.14	007.79	0290.9	01.93	28.9					
60537	001.33	014.93	0374.9	02.60	02.16	22.0	001.04	016.23	0310.7	01.68	26.1					
60684	000.84	008.28	0412.2	02.47	02.08	20.7	000.41	006.94	0314.1	01.66	27.2					
60713	001.04	008.05	0343.3	02.51	02.08	24.7	000.82	006.68	0265.2	01.72	31.9					
64026	001.41	012.86	0350.0	02.23	01.94	23.7	001.02	010.31	0287.6	01.68	28.9	001.26	012.51	0291.9	02.07	28.1
64030	001.84	013.07	0348.0	02.61	02.30	23.7	001.42	010.09	0281.1	01.55	29.4	001.79	008.00	0295.7	01.95	28.2
64032	001.58	013.55	0357.0	03.02	02.68	23.1	001.24	009.81	0270.5	01.98	30.6	001.41	009.17	0297.2	02.88	28.1
64033	001.06	011.21	0406.6	02.45	02.22	20.7	000.69	009.34	0331.6	01.78	25.4	001.24	010.63	0346.3	02.26	24.2
64039	001.86	007.88	0372.9	02.31	01.99	22.7	001.11	005.84	0298.0	01.77	28.5	001.26	007.46	0344.6	02.03	24.6
64041	001.50	012.03	0372.4	02.66	02.36	22.4	001.00	007.90	0287.8	01.96	29.2	001.06	006.19	0311.0	02.24	27.4
64053	002.36	007.36	0409.2	01.73	01.96	20.7	001.46	007.12	0342.6	01.34	24.7	001.28	007.18	0314.4	01.38	26.9

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=10   MODEL YR(S)=1977

MAKE=TOYOTA   MODEL=CELICA

EPA NO	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60242	001.24	016.34	0369.7	01.73	01.63	20.7	000.83	011.19	0335.9	03.53	24.9	000.73	016.09	0342.2	02.60	24.0
70014	000.74	015.84	0399.1	01.26	01.07	20.8	000.51	012.62	0308.8	00.96	26.9	000.55	010.14	0323.8	01.29	26.0
70016	000.50	018.13	0426.8	02.15	01.50	19.4	000.34	015.28	0361.3	01.85	23.0	000.58	015.75	0374.5	02.81	22.1
70017	001.49	012.93	0443.2	01.41	01.28	18.5	000.96	008.11	0355.9	01.08	23.9	001.02	006.38	0394.1	02.00	21.8
70021	000.58	015.18	0434.4	02.08	01.74	19.3	000.51	011.87	0347.3	01.61	24.1	000.51	009.15	0362.5	01.87	23.4
70023	000.97	017.51	0419.5	01.57	01.84	19.7	000.53	010.96	0318.4	01.43	26.3	000.66	010.97	0338.7	01.84	24.8
70024	000.74	017.86	0417.3	02.03	01.88	19.8	000.52	012.69	0348.6	01.66	24.0	000.59	012.14	0340.9	02.09	24.5
70068	000.88	013.39	0452.8	01.42	01.30	18.6	000.48	009.03	0363.6	00.94	23.4	000.61	007.95	0360.7	01.11	23.6
70137	000.71	012.24	0470.8	01.49	01.31	18.0	000.38	009.58	0372.6	01.15	22.8	000.37	009.69	0403.9	01.52	21.1
70147	001.15	014.06	0419.9	01.25	01.21	19.5	000.62	009.97	0338.2	00.97	24.9	001.02	006.53	0338.8	01.12	25.0
70159	000.79	012.51	0393.3	01.28	01.26	21.3	000.62	008.83	0324.1	00.92	26.1	000.48	007.07	0366.5	01.01	23.4
70161	000.77	013.77	0423.8	01.14	01.16	19.6	000.60	009.48	0353.6	00.81	23.9	000.57	008.93	0374.3	00.94	22.7
70210	000.66	021.14	0433.6	01.62	01.56	18.5	000.38	014.56	0355.3	01.25	23.4	000.36	013.35	0417.2	01.15	20.2
70220	000.74	019.55	0426.4	01.26	01.47	19.3	000.46	016.90	0377.4	01.08	21.9	000.42	014.61	0369.5	01.22	22.5
70259	001.00	013.02	0426.5	00.58	00.54	19.7	000.53	009.37	0346.5	00.66	24.4	000.79	009.69	0354.3	01.04	23.6
70277	000.54	010.90	0463.2	01.20	01.10	18.4	000.25	008.32	0381.9	00.77	22.4	000.38	008.86	0375.1	00.93	22.7
70278	000.92	014.95	0447.9	01.19	01.09	18.7	000.94	011.15	0349.3	00.89	24.0	000.50	013.99	0384.8	01.02	21.7
70289	000.79	013.57	0442.3	00.94	01.00	19.0	000.57	010.50	0361.0	00.72	23.4	000.57	009.04	0347.8	01.02	24.4
70342	000.95	013.34	0433.4	01.15	01.12	19.4	000.65	008.74	0352.9	00.85	24.0					
70372	001.19	013.03	0440.2	01.43	01.26	19.1	000.70	008.19	0350.6	00.93	24.3					
70379	000.57	016.81	0428.3	01.46	01.46	19.4	000.35	013.81	0354.8	01.06	23.5					
70381	000.52	012.36	0452.5	01.42	01.25	18.7	000.24	009.04	0368.3	00.99	23.1					
70396	000.78	013.55	0409.6	03.63	03.55	20.5	000.51	008.14	0349.4	02.04	24.4					
70446	000.51	013.27	0462.0	01.53	01.30	18.3	000.18	009.30	0403.9	01.16	21.2					
70455	000.66	015.91	0441.4	01.54	01.38	18.5	000.31	011.20	0340.4	01.04	24.7					
70473	000.49	013.15	0467.0	01.56	01.36	18.1	000.33	009.33	0367.6	01.16	23.1					
70534	000.69	011.53	0451.2	00.91	00.78	18.8	000.78	008.47	0368.1	00.69	23.1					
70552	000.84	014.70	0434.7	01.45	01.31	19.3	000.60	011.16	0349.1	01.17	24.1					
70556	000.39	013.77	0443.5	01.02	00.97	19.0	000.27	011.75	0359.5	00.86	23.4					
70564	000.67	016.37	0408.3	01.16	01.01	20.3	000.49	012.28	0332.0	00.75	25.1					
70570	000.81	010.37	0425.3	01.10	00.97	20.0	000.54	007.85	0334.2	00.77	25.5					
70640	001.07	013.62	0391.6	01.55	01.25	21.3	000.74	007.91	0307.4	01.22	27.5					
70656	000.41	010.03	0465.1	00.87	00.74	18.4	000.25	010.02	0370.2	00.56	22.9					
70667	000.42	015.61	0465.7	01.69	01.56	18.0	000.25	011.71	0368.3	01.47	22.9					
70671	000.53	013.77	0432.5	01.24	01.07	19.5	000.34	009.40	0350.2	00.86	24.2					
74016	000.53	016.99	0477.7	01.36	01.16	17.5	000.29	012.34	0397.6	01.26	21.2	000.35	014.23	0414.0	01.33	20.3
74017	001.12	015.86	0392.8	01.23	01.08	21.0	000.86	012.53	0318.1	00.87	26.0	000.62	012.50	0337.5	01.24	24.6
74023	000.62	014.64	0401.5	01.35	01.23	20.8	000.61	010.03	0319.3	01.17	26.3	000.94	007.76	0349.5	01.75	24.3
74024	000.69	015.33	0421.2	01.65	01.48	19.8	000.46	009.74	0339.0	01.45	24.9	000.59	010.38	0372.3	02.00	22.7
74032	000.90	014.10	0443.1	01.63	01.46	18.5	000.67	008.93	0313.7	01.24	26.9					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=11   MODEL YR(S)=1975,1976,1977

MAKE=VW   MODEL=BEETLE

EPA NO	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50011	001.88	013.07	0303.6	03.19	02.88	26.5	001.35	006.18	0243.9	02.26	34.4	001.36	004.50	0265.1	02.64	32.1
50021	001.55	007.35	0334.0	03.73	03.19	25.3	000.91	002.28	0266.9	02.36	32.4	001.02	004.76	0301.1	03.40	28.4
50027	001.63	032.01	0286.3	02.20	01.97	26.0	000.98	019.03	0232.0	01.57	33.5	001.06	021.36	0266.7	02.31	29.2
50066	002.15	014.78	0350.4	04.34	03.80	23.3	001.57	009.38	0289.3	03.03	28.7	001.33	009.10	0287.4	03.37	29.0
50069	002.57	047.90	0322.4	01.75	01.51	21.9	001.35	023.29	0274.2	01.55	28.1	001.53	030.56	0289.0	01.86	25.9
50093	001.94	008.97	0296.3	03.05	02.95	28.0	001.26	003.73	0250.0	02.07	34.1	001.15	005.34	0256.0	02.47	33.1
50103	001.89	042.96	0279.1	02.04	02.37	25.1	001.45	037.13	0233.4	01.36	29.9	001.40	038.24	0229.8	01.43	30.1
50119	001.49	016.99	0338.1	02.62	02.35	24.0	000.87	009.59	0277.0	01.71	30.1	000.94	012.28	0286.2	01.94	28.7
50220	001.64	014.01	0363.8	02.66	02.49	22.7	001.00	007.94	0296.5	02.23	28.4	001.05	010.02	0294.7	01.92	28.3
50242	001.66	009.95	0380.4	03.92	03.85	22.1	001.04	003.53	0326.1	02.94	26.5	001.10	004.78	0293.9	02.62	29.1
50331	001.45	017.54	0324.5	03.03	02.72	24.5	000.81	008.35	0280.6	02.09	29.9					
50371	001.62	024.30	0372.0	04.32	04.07	21.4	001.28	021.67	0334.5	03.78	23.8					
50466	001.53	008.63	0327.3	03.71	03.24	25.7	000.85	003.10	0288.8	03.09	29.9					
50511	001.67	031.09	0348.7	02.37	02.02	22.0	001.11	017.98	0275.9	01.55	28.8					
50554	002.06	056.63	0291.7	02.03	01.66	22.9	001.38	037.88	0255.3	01.80	27.8					
54028	001.62	006.46	0309.5	03.38	03.00	27.3	001.48	002.71	0261.9	02.31	32.7	001.07	002.17	0247.2	02.48	34.9
54044	001.97	031.67	0331.9	02.45	01.97	22.5	001.19	011.34	0311.9	02.47	26.6					
56030	001.47	016.20	0315.7	02.86	02.56	25.6	001.57	041.32	0249.1	01.48	27.8	001.14	013.07	0261.5	02.06	31.0
60245	001.37	005.43	0349.5	01.88	01.87	24.4	000.85	002.94	0296.7	01.14	29.2	001.23	002.71	0300.6	01.13	28.7
60271	001.96	022.65	0260.6	02.27	02.15	27.5	001.54	016.26	0229.7	01.35	34.1	001.42	013.16	0244.4	01.90	32.9
60292	001.59	009.03	0325.6	02.89	02.84	25.7	001.07	004.85	0265.3	02.08	32.1	000.95	005.22	0268.4	02.41	31.7
60370	001.42	018.68	0333.2	03.89	03.83	24.1	000.88	010.23	0272.1	02.55	30.5					
60415	002.66	024.18	0324.4	03.28	03.18	23.9	022.81	005.97	0288.2	01.02	24.0					
60428	001.65	025.14	0326.2	03.38	03.02	23.9	001.20	018.89	0272.3	02.32	29.0					
60499	001.42	026.88	0325.2	02.95	02.60	23.8	000.87	013.56	0290.6	02.09	28.2					
60535	001.46	023.55	0332.5	02.93	02.46	23.7	000.97	014.53	0269.3	01.97	30.0					
60596	001.53	024.77	0296.6	02.77	02.24	26.1	000.98	015.01	0249.2	02.06	32.1					
60601	002.44	029.00	0324.8	02.35	01.96	23.5	001.86	022.02	0271.2	01.67	28.4					
60671	001.71	024.79	0330.4	02.93	02.57	23.7	001.03	014.21	0263.6	02.02	30.7					
60682	001.78	027.34	0341.2	03.46	03.05	22.8	001.52	024.49	0283.0	02.46	27.2					
60720	001.51	021.64	0327.3	04.56	03.75	24.2	001.07	013.18	0266.8	03.06	30.5					
70122	001.67	010.71	0373.2	02.43	02.31	22.4	001.06	003.91	0305.9	01.60	28.1	001.19	003.88	0317.3	02.00	27.1
70239	001.08	011.12	0337.6	02.19	02.05	24.7	000.90	008.55	0291.8	02.20	28.8	001.07	012.64	0302.2	02.52	27.2
70397	002.61	039.45	0309.7	02.00	01.85	23.3	001.94	031.22	0257.1	01.56	28.4					
70452	002.09	031.58	0311.9	02.27	01.55	24.1	001.46	021.33	0262.7	01.87	29.5					
70489	001.37	012.34	0364.5	02.19	02.06	22.8	001.06	006.10	0358.2	02.20	23.9					
70520	001.50	018.11	0352.8	02.52	02.02	23.0	001.12	010.66	0292.8	01.94	28.3					
70617	001.69	018.81	0393.5	02.43	02.15	20.7	001.00	007.96	0309.3	02.01	27.3					
70627	002.12	036.21	0327.5	02.23	01.76	22.7	001.42	020.14	0256.2	01.85	30.3					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=12 MODEL YR(S)=1976,1977

MAKE=VW MODEL=RABBIT SCIROCCO

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60018	000.96	016.27	0360.2	02.77	02.60	22.8	000.60	021.12	0297.1	01.59	26.7	000.72	025.58	0317.3	01.90	24.6
60028	001.93	021.93	0310.2	03.02	02.48	25.3	001.54	017.35	0251.0	02.09	31.3	002.07	018.63	0284.1	02.92	27.7
60140	000.67	013.32	0368.7	01.41	01.37	22.6	000.46	008.41	0287.6	00.78	29.3	000.83	048.29	0291.3	00.54	24.0
60143	001.33	031.54	0346.1	03.34	03.15	22.2	000.98	030.55	0278.9	02.24	26.9	002.85	030.[illegible]5	0271.8	02.01	26.9
60162	002.04	019.44	0294.7	02.28	02.13	26.7	001.82	020.29	0232.4	01.46	32.8	001.99	042.00	0237.5	01.25	26.6
60185	001.73	017.33	0338.5	02.07	02.00	23.5	001.51	021.34	0272.8	01.19	28.5	001.41	025.75	0278.6	01.14	27.4
60189	001.16	013.60	0334.7	02.35	02.35	24.6	000.63	007.29	0290.1	01.16	29.2	000.64	012.03	0310.6	01.21	26.8
60232	002.79	045.50	0264.5	02.18	02.38	25.7	002.40	045.50	0224.2	01.57	29.2	002.27	049.62	0220.9	01.51	29.0
60312	001.49	022.60	0325.7	03.27	03.11	24.2	001.26	021.96	0262.6	02.19	29.5	001.38	034.60	0279.9	02.44	26.2
60372	000.27	002.70	0405.6	02.35	02.27	21.6	000.12	000.95	0339.1	01.35	26.0					
60390	001.84	028.27	0359.1	04.03	03.65	22.8	001.68	028.22	0271.9	02.64	27.6					
60393	000.30	002.23	0401.6	02.68	02.43	21.8	000.12	000.30	0349.6	01.22	25.3					
60403	001.14	012.71	0391.7	02.76	02.53	21.4	000.60	013.30	0322.4	01.57	25.7					
60436	001.11	016.00	0367.0	01.58	01.88	22.4	000.59	013.08	0305.1	01.10	27.1					
60455	000.32	003.23	0363.7	01.36	01.20	22.7	000.13	001.97	0318.4	00.75	27.5					
60488	001.75	036.38	0322.1	01.85	01.74	23.0	001.40	045.42	0257.8	00.92	26.6					
60532	000.78	010.63	0386.3	01.57	01.32	21.9	000.14	002.53	0341.8	00.67	25.6					
60544	001.02	025.63	0382.4	00.97	00.85	20.8	000.42	022.91	0318.4	00.46	24.9					
60573	001.42	028.69	0337.3	01.55	01.24	22.9	000.97	028.31	0282.3	00.91	26.9					
60587	000.48	002.91	0350.8	02.97	02.45	24.5	000.27	000.65	0299.5	01.73	29.4					
60600	000.37	002.31	0362.8	01.73	01.44	22.5	000.18	000.57	0324.7	00.85	27.2					
60654	001.39	028.15	0361.8	02.48	02.11	21.6	000.80	023.84	0283.1	01.34	27.5					
60664	001.96	035.89	0348.4	02.44	02.05	21.6	001.96	035.85	0281.7	01.33	25.8					
60674	005.44	074.77	0401.1	00.76	00.66	16.6	013.08	104.23	0252.3	00.25	19.4					
60690	003.34	072.42	0314.8	01.64	01.32	20.2	002.00	062.43	0240.4	00.78	25.7					
60694	002.10	026.74	0320.5	02.35	01.86	24.0	001.63	028.96	0259.2	01.43	28.6					
64029	001.21	011.87	0410.6	02.05	01.83	20.5	000.47	000.49	0350.9	01.40	25.1	000.50	000.56	0363.8	01.60	24.2
64035	000.38	003.45	0393.5	02.40	02.11	22.2	000.13	001.27	0331.7	00.90	26.5	000.24	000.73	0319.8	01.76	27.6
64040	001.00	012.17	0399.6	01.61	01.44	21.0	000.38	001.07	0335.9	00.87	26.2	000.51	001.71	0363.5	01.29	24.1
66012	001.73	040.72	0351.4	01.39	01.21	21.1	001.78	036.50	0250.1	00.86	28.3	001.97	033.94	0269.5	01.11	26.9
66036	002.33	048.70	0332.4	02.48	02.29	21.3	002.04	051.88	0276.2	01.76	24.3	003.52	077.99	0252.2	01.42	23.0
66041	000.85	022.70	0399.9	02.13	02.03	20.2	001.56	046.31	0326.6	00.57	21.9					
70035	001.13	008.79	0378.4	02.84	02.44	22.4	001.04	007.90	0286.3	01.42	29.4	001.19	010.95	0301.6	01.61	27.5
70089	002.26	028.02	0335.4	02.51	02.28	22.9	001.80	032.98	0272.0	01.73	26.9	001.76	021.65	0266.3	02.30	29.0
70221	002.00	019.27	0362.3	02.48	02.84	22.2	001.62	033.95	0248.1	00.76	28.9	001.89	047.94	0232.7	00.69	28.2
70227	001.48	017.58	0313.2	02.06	02.01	25.7	001.45	026.56	0242.8	01.17	30.7	001.41	018.96	0266.2	01.23	29.5
70281	004.42	064.84	0268.0	01.06	01.07	23.1	004.42	072.16	0208.3	00.54	26.4	003.81	064.90	0227.9	00.80	25.9
76006	002.06	037.16	0334.4	02.04	01.77	22.2	001.73	041.55	0259.6	01.14	26.8	001.58	028.12	0278.9	01.46	27.0
76011	001.55	019.04	0316.5	02.33	01.58	25.2	001.49	029.70	0232.4	01.47	31.3	001.28	015.66	0264.3	02.28	30.3
76041	001.48	023.96	0345.1	02.52	02.55	22.5	001.19	022.44	0281.8	01.84	27.6	001.50	031.44	0270.4	01.03	27.3
76046	001.91	021.78	0351.1	02.09	01.75	22.7	002.18	040.19	0247.2	01.90	28.0					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=13 MODEL YR(S)=1976,1977

MAKE=VOLVO MODEL=240

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60130	001.69	028.55	0480.6	02.76	02.39	16.7	001.05	026.72	0385.1	01.71	20.6	036.57	028.30	0339.1	02.78	17.8
60169	001.07	006.78	0463.8	02.59	02.47	17.8	000.75	007.49	0391.7	01.40	21.8	000.63	011.44	0404.5	01.41	20.9
60184	000.90	007.77	0559.7	02.74	02.65	15.4	000.44	008.09	0447.4	01.41	19.2	000.44	005.52	0470.2	02.01	18.5
60200	000.84	008.70	0504.8	03.05	02.85	17.0	000.65	007.63	0419.1	01.76	20.5	000.66	005.72	0426.8	02.29	20.3
60264	000.76	008.47	0549.1	02.94	02.55	15.7	000.42	006.30	0439.3	02.00	19.7	000.76	008.18	0450.0	02.49	19.1
60265	001.27	008.44	0523.2	02.57	02.72	16.4	000.88	006.27	0433.1	01.85	19.9	000.67	007.29	0446.7	02.18	19.3
60269	000.82	016.55	0488.5	02.52	02.37	17.2	000.55	011.74	0403.9	01.51	20.9	001.00	013.83	0409.0	01.87	20.4
60317	000.53	012.33	0584.8	02.40	02.35	14.6	000.23	009.50	0465.3	01.20	18.4	000.36	008.60	0439.7	01.80	19.5
60319	001.17	012.08	0498.5	02.57	02.47	17.0	001.36	016.32	0471.1	02.37	17.7	001.00	008.05	0408.4	02.16	20.9
60322	001.12	006.96	0505.4	02.67	02.57	17.1	000.73	006.35	0411.9	01.56	20.9	000.67	004.55	0403.4	01.97	21.5
60324	000.46	004.91	0508.5	01.72	01.74	17.1	001.01	014.88	0393.2	00.84	21.1	000.96	007.62	0396.4	01.14	21.6
60395	000.67	009.40	0568.3	03.71	03.35	15.2	000.39	010.45	0449.9	01.66	19.0					
60408	001.30	012.50	0547.1	03.08	02.85	15.5	001.13	015.83	0427.7	01.91	19.4					
60412	002.56	010.66	0541.7	02.27	02.21	15.6	002.56	036.72	0412.1	01.12	18.6					
60444	001.01	014.37	0518.8	02.74	02.43	16.3	000.81	015.54	0441.1	01.39	18.9					
60445	000.87	012.36	0534.9	02.56	02.50	15.5	000.45	010.77	0432.6	01.69	19.7					
60479	000.98	009.10	0534.3	04.29	03.45	16.1	000.58	007.29	0427.2	03.20	20.1					
60511	000.79	006.41	0529.4	03.06	02.61	16.4	000.40	004.69	0421.3	01.97	20.6					
60519	000.85	015.89	0561.8	03.57	02.89	15.0	000.65	013.76	0452.0	01.96	18.6					
60545	000.74	008.35	0520.3	02.73	02.51	16.6	000.40	009.26	0426.0	01.44	20.1					
60564	001.01	008.79	0512.1	02.17	01.76	16.8	000.77	006.31	0397.1	02.58	21.7					
60588	000.83	009.46	0494.7	03.39	03.00	17.3	000.44	009.30	0414.3	01.75	20.6					
60611	000.78	006.65	0520.0	03.23	02.51	16.6	000.46	006.64	0420.1	01.86	20.5					
60632	000.87	014.11	0469.8	03.46	02.65	17.5	000.69	008.86	0381.1	02.42	22.3					
60699	000.72	011.78	0467.6	02.68	02.11	18.2	000.50	017.34	0359.4	01.16	22.8					
60724	001.05	012.83	0437.5	03.29	02.66	15.2	000.70	016.95	0339.3	01.24	24.1					
60728	000.61	010.29	0510.1	02.82	02.42	16.8	000.33	007.19	0397.8	01.71	21.6					
64027	001.49	004.83	0508.5	03.56	03.06	17.0	001.51	004.77	0397.5	02.42	21.6	000.89	003.80	0425.7	02.74	20.4
64037	000.92	011.83	0534.0	02.85	02.45	16.0	000.48	009.20	0424.5	01.64	20.1	000.65	010.97	0477.2	03.16	17.9
70325	000.74	018.95	0473.7	01.61	01.50	17.5	001.24	034.50	0327.3	01.42	23.0					
70475	007.13	071.06	0591.1	01.65	01.61	16.5	020.80	071.84	0305.4	01.10	18.3					
70511	001.81	036.39	0448.8	02.18	01.80	17.3	001.60	025.67	0380.4	01.89	20.8					
70558	000.29	005.03	0497.6	00.22	00.20	17.5	000.10	001.09	0374.1	00.15	23.6					
70561	001.42	012.71	0447.7	01.82	01.64	18.8	001.45	025.70	0342.3	00.81	22.9					
70598	001.33	022.65	0483.9	01.57	01.64	16.5	001.38	035.50	0356.2	01.04	21.3					
70602	002.39	058.45	0436.4	01.26	01.08	16.6	002.10	060.73	0322.8	00.79	20.9					
70603	001.24	022.67	0438.9	01.55	01.39	17.8	001.38	028.02	0346.8	01.09	22.4					
70650	001.69	037.63	0445.4	01.72	01.36	17.4	001.87	044.64	0315.5	01.00	22.6					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=14 MODEL YR(S)=1975

MAKE=DODGE PLYMOUTH MODEL=DART VALIANT

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50005	000.64	007.92	0536.1	01.52	01.30	16.1	000.23	002.12	0398.9	01.09	22.0	000.23	002.30	0472.3	01.59	18.6
50067	000.59	006.11	0511.7	04.55	04.10	17.0	000.18	000.20	0403.8	03.78	21.9	000.23	000.35	0393.7	05.55	22.5
50073	002.57	058.44	0457.5	02.42	02.15	15.9	002.84	053.72	0338.5	02.68	20.5	004.57	070.94	0337.6	02.37	19.1
50080	002.29	060.72	0418.2	01.23	01.17	17.0	001.92	055.41	0328.5	00.83	21.0	003.43	106.46	0294.9	00.62	18.7
50098	001.29	023.49	0508.2	01.22	01.13	16.1	001.72	037.24	0376.8	00.49	20.1	002.94	063.84	0347.6	00.64	19.4
50100	001.22	013.68	0465.7	05.13	05.44	18.1	000.85	007.78	0367.6	05.01	23.2	003.23	065.59	0321.1	02.72	20.4
50101	001.02	012.88	0465.7	05.65	05.95	18.1	000.99	008.14	0368.7	04.32	23.1	002.71	052.13	0336.1	03.19	20.8
50111	001.49	014.12	0474.8	04.09	03.72	17.7	001.61	012.60	0374.2	03.06	22.2	001.48	009.48	0399.2	03.26	21.2
50186	000.76	018.96	0484.0	01.67	01.76	17.2	000.16	000.62	0427.1	01.33	20.7	000.67	005.01	0398.4	01.78	21.7
50222	003.09	050.72	0399.7	01.64	01.70	18.1	003.27	039.33	0306.2	01.43	23.4	002.52	033.07	0340.2	02.03	22.2
50261	003.92	054.93	0423.2	02.06	01.55	17.0	002.26	046.14	0317.7	01.15	22.3	002.77	062.29	0334.7	01.25	20.1
50262	001.70	045.12	0501.4	03.57	03.43	15.4	001.68	040.12	0416.7	02.83	18.3	002.32	049.12	0396.4	04.79	18.4
50267	003.23	061.43	0408.3	03.15	02.92	17.2	003.15	054.59	0317.3	02.44	21.5	004.46	064.33	0337.9	02.32	19.6
50261	001.69	041.87	0470.0	02.57	02.35	16.4	002.51	052.70	0347.7	01.81	20.2	002.35	041.25	0352.6	03.85	20.9
50308	002.82	057.57	0423.2	05.74	05.42	17.0	002.68	066.75	0311.8	02.85	20.9					
50319	001.57	029.08	0491.2	02.17	02.07	16.4	001.31	018.57	0392.7	01.27	20.8					
50337	000.82	014.24	0458.2	03.25	02.98	18.4	001.44	026.41	0347.2	02.11	22.5					
50341	001.14	018.23	0456.2	03.74	03.45	18.2	001.53	013.97	0359.0	03.03	23.0					
50344	007.46	159.55	0374.3	01.52	01.44	13.7	007.03	162.73	0267.7	00.55	16.2					
50367	001.83	039.49	0446.8	04.07	03.71	17.2	001.94	042.35	0341.4	02.79	21.4					
50380	002.35	047.11	0419.1	02.93	02.64	17.7	002.59	048.10	0327.6	02.12	21.6					
50385	003.94	080.25	0413.1	02.33	02.13	16.1	003.35	073.33	0318.2	01.54	20.0					
50416	000.75	005.55	0499.5	03.72	03.21	17.4	000.26	002.72	0391.2	02.34	22.4					
50436	000.66	004.96	0485.1	05.68	05.41	17.9	001.04	008.78	0384.1	04.64	22.1					
50450	002.06	032.37	0427.5	06.79	06.04	18.3	002.49	038.11	0337.3	04.61	21.9					
50460	001.97	039.92	0426.9	04.51	03.61	17.9	002.37	038.91	0328.2	03.98	22.3					
50464	000.98	013.58	0467.9	04.60	03.68	18.0	001.16	010.64	0375.2	03.76	22.4					
50468	001.86	023.69	0430.0	02.62	02.30	18.7	002.44	037.40	0307.3	01.57	23.7					
50482	020.36	167.79	0304.6	00.51	00.47	14.0	016.59	143.21	0236.2	00.15	17.3					
50530	001.17	014.59	0416.0	07.80	06.25	20.0	001.33	017.96	0314.5	04.82	25.6					
50543	000.76	013.08	0535.5	01.19	00.95	15.9	000.20	002.54	0416.1	00.74	21.1					
50546	003.68	099.73	0387.1	02.14	01.79	16.0	003.34	107.96	0284.4	00.76	19.1					
50556	001.09	015.86	0460.6	04.01	03.27	18.1	001.46	015.23	0359.2	03.26	22.9					
54018	000.72	013.06	0478.8	01.67	01.52	17.7	000.31	003.51	0376.6	01.89	23.2	001.14	017.21	0372.3	01.67	22.0
54024	001.44	017.10	0484.0	03.45	03.02	17.2	000.81	001.35	0398.5	02.65	22.0	001.29	005.25	0413.8	03.40	20.8
54025	001.15	014.71	0469.1	07.07	06.16	17.9	000.71	003.43	0367.5	06.22	23.6	000.80	002.86	0409.8	07.41	21.3
56001	008.15	068.62	0426.5	05.89	05.19	15.8	008.12	077.58	0305.7	02.96	19.6	004.79	060.21	0386.0	05.60	17.9
56005	003.97	003.78	0543.9	03.07	02.67	15.8	004.40	000.84	0432.9	[illegible]	19.8	004.19	000.86	0463.4	02.48	18.6
56006	001.74	011.24	0523.3	04.92	04.4[illegible]	16.2	000.17	000.15	0416.6	03.91	21.2	000.80	012.09	0464.5	05.78	18.2
56034	001.17	019.75	0458.0	03.00	03.09	18.0	000.98	017.83	0360.8	01.89	22.6	001.21	024.08	0396.5	02.06	20.2
56039	001.52	020.00	0530.0	08.16	07.04	15.7	001.00	017.54	0412.1	06.53	20.0					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=15 MODEL YR(S)=1976

MAKE=DODGE PLYMOUTH MODEL=DART VALIANT ASPEN VOLARE

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60199	000.49	005.82	0556.4	05.66	05.25	15.6	000.21	000.48	0422.8	06.16	20.9	000.16	000.13	0446.5	06.77	19.6
60201	001.96	032.34	0450.6	03.95	03.67	17.5	002.22	029.53	0348.5	02.59	22.1	002.16	027.91	0364.7	02.89	21.3
60205	000.99	017.47	0474.8	02.99	02.78	17.5	000.88	009.52	0385.2	02.36	22.0	000.50	006.12	0410.1	02.94	21.0
60211	002.24	039.86	0432.0	02.54	02.56	17.7	002.75	043.74	0331.8	01.45	21.7	003.28	060.30	0316.6	01.17	21.0
60223	002.31	017.64	0495.1	03.13	03.10	16.7	001.13	003.97	0411.9	02.61	21.0	001.81	009.16	0391.4	02.70	21.5
60270	002.12	017.97	0451.6	04.04	03.85	15.0	002.45	010.58	0345.9	02.86	23.9	003.57	049.21	0337.0	01.62	20.8
60280	001.76	019.67	0467.7	06.53	07.14	17.6	001.42	015.69	0376.4	04.54	21.9	002.18	020.52	0368.7	04.80	21.7
60281	001.08	009.46	0454.9	04.71	04.61	18.7	000.64	001.39	0379.4	04.60	23.1	000.82	004.08	0394.3	05.18	22.0
60287	001.15	019.60	0457.4	02.16	02.07	18.0	001.04	013.91	0348.1	01.22	23.8	001.30	009.89	0359.6	01.75	23.4
60347	004.57	108.63	0388.3	01.50	01.48	15.5	004.28	092.17	0302.9	00.75	19.2	005.63	142.45	0262.2	00.38	17.6
60348	002.64	036.34	0489.2	05.73	06.05	16.0	002.26	031.82	0390.5	04.62	19.8	002.98	057.36	0348.7	02.55	19.6
60358	001.60	028.86	0513.0	01.67	01.76	15.7	001.83	033.67	0379.7	00.88	20.2					
60386	000.58	006.25	0476.6	04.79	04.21	18.2	000.79	006.59	0369.6	03.71	23.2					
60400	002.26	039.22	0461.5	04.74	04.41	16.1	002.27	050.16	0349.5	02.24	20.4					
60413	001.44	009.59	0494.3	03.10	03.11	17.3	001.23	005.07	0380.9	02.11	22.6					
60452	002.99	046.80	0486.4	01.78	01.72	15.6	003.92	040.67	0377.5	00.88	19.5					
60462	003.29	069.49	0484.9	01.19	01.08	14.7	003.50	107.68	0359.3	00.57	16.4					
60483	002.95	036.28	0481.1	08.43	07.86	16.2	003.21	039.23	0362.9	05.51	20.4					
60495	002.34	032.20	0461.7	03.47	03.08	17.1	002.90	036.96	0347.1	02.48	21.4					
60526	000.87	005.36	0476.3	03.54	03.18	18.2	000.68	001.00	0370.5	02.30	23.7					
60530	012.07	156.04	0306.2	00.53	00.46	15.0	010.40	166.20	0223.9	00.35	17.1					
60581	002.16	029.29	0460.2	03.08	02.51	17.3	002.37	030.04	0351.7	01.79	21.6					
60584	003.32	033.70	0427.3	07.38	05.87	18.1	003.24	036.58	0319.6	04.27	22.9					
60622	003.22	060.27	0407.7	02.97	02.49	17.3	003.07	049.19	0306.0	02.07	22.6					
60633	003.68	076.65	0438.4	01.69	01.41	15.5	003.87	105.01	0328.5	00.75	17.5					
60640	005.62	061.47	0400.6	04.66	04.23	17.2	003.97	060.68	0291.5	02.32	22.2					
60642	005.11	139.18	0349.5	01.48	01.26	15.2	004.72	135.61	0249.0	00.54	18.6					
60679	002.80	044.40	0460.5	06.94	05.85	16.4	003.50	057.98	0295.5	03.30	22.3					
60688	002.61	034.87	0444.7	03.15	02.57	17.5	003.40	036.29	0339.8	01.91	21.8					
60702	002.22	022.54	0504.4	02.67	02.29	16.2	001.89	042.34	0360.5	01.09	20.5					
60723	004.14	044.68	0406.6	06.13	05.09	18.1	003.88	041.51	0293.1	04.07	23.9					
64009	001.74	018.34	0464.8	03.05	02.58	17.8	001.01	006.56	0351.5	01.33	24.3	001.14	008.69	0393.2	02.12	21.6
66006	003.29	048.39	0452.1	02.89	02.58	16.5	004.20	049.89	0339.0	02.16	20.6	003.72	040.94	0358.3	02.54	20.4
66007	002.25	028.17	0482.0	02.43	02.08	16.6	001.84	015.25	0398.2	01.53	20.7	001.72	014.42	0410.3	01.78	20.2
66008	004.25	061.59	0422.9	02.71	02.34	16.6	004.13	048.79	0321.2	01.80	21.6	004.37	053.37	0368.0	02.14	19.0
66038	003.51	074.85	0427.9	01.28	01.31	15.9	002.75	072.90	0321.8	00.49	19.9	004.95	132.04	0291.0	00.35	17.2

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=16 MODEL YR(S)=1977

MAKE=DODGE PLYMOUTH MODEL=ASPEN VOLARE

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEW FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70022	000.98	015.07	0511.2	02.92	02.44	16.5	000.33	002.09	0375.3	04.53	23.4	000.55	003.47	0434.5	05.47	20.1
70112	001.35	019.81	0522.0	01.41	01.48	15.9	001.96	028.20	0364.8	00.95	21.3	001.98	035.47	0347.3	00.97	21.7
70131	001.50	005.20	0639.6	01.46	01.32	13.6	000.39	002.98	0517.2	00.86	17.0	000.49	005.42	0533.7	00.91	16.3
70135	001.04	020.95	0450.1	04.18	03.84	18.2	000.48	004.33	0356.4	04.18	24.3	001.43	035.14	0342.9	03.39	22.0
70139	001.70	024.00	0484.9	01.91	01.70	16.8	001.78	025.31	0351.7	02.20	22.3	001.56	012.38	0407.4	02.55	20.5
70179	000.96	014.53	0506.7	05.23	05.13	16.7	001.06	008.29	0403.8	04.27	21.1	002.85	073.33	0342.0	02.20	19.0
70236	002.66	042.00	0549.8	01.83	01.78	14.2	002.26	031.19	0448.3	00.93	17.6	002.71	044.31	0439.6	01.10	17.1
70245	001.06	013.27	0480.2	02.24	02.13	17.6	001.41	009.97	0375.0	03.26	22.4	002.62	047.46	0341.9	01.78	20.9
70286	000.63	007.83	0463.6	04.29	04.57	18.6	000.22	000.20	0408.5	06.85	21.7	000.42	001.89	0363.6	05.33	24.1
70287	001.72	032.73	0489.3	01.74	01.61	16.2	001.74	030.91	0364.1	02.14	21.2	001.13	014.50	0365.8	01.82	22.6
70307	001.89	022.60	0521.2	02.24	02.37	15.8	001.72	024.48	0385.9	02.51	20.6	001.14	006.60	0405.6	03.56	21.1
70326	002.06	029.23	0490.3	01.81	01.71	16.3	002.06	028.66	0358.2	01.93	21.6					
70355	001.09	013.96	0449.4	02.10	01.58	18.7	001.09	018.76	0357.6	02.37	22.7					
70368	001.22	015.24	0516.6	01.67	01.65	16.3	001.11	019.91	0385.1	00.83	21.1					
70383	000.72	007.62	0508.4	02.07	02.08	17.0	000.77	001.12	0378.9	02.08	23.1					
70410	001.43	020.38	0473.5	02.03	01.58	17.4	001.82	032.24	0343.1	01.74	22.2					
70412	003.27	038.45	0486.9	02.23	02.14	15.9	003.47	038.97	0364.4	02.45	20.3					
70426	003.48	056.02	0459.8	02.17	01.58	15.9	003.51	060.54	0338.9	01.90	19.9					
70427	001.87	029.94	0470.4	06.04	05.58	16.9	002.39	038.15	0359.3	04.41	20.8					
70466	003.66	065.70	0443.7	05.50	04.63	15.9	003.75	059.47	0325.8	03.27	20.6					
70472	002.08	026.24	0498.6	02.13	01.84	16.2	000.79	005.10	0392.9	03.20	22.0					
70483	001.53	015.32	0485.6	01.73	01.50	17.2	001.61	011.63	0361.2	01.54	23.1					
70501	000.78	012.95	0478.1	05.10	04.55	17.7	000.63	008.85	0380.1	02.83	22.4					
70516	001.43	020.90	0486.4	01.64	01.45	16.9	001.84	019.66	0365.8	02.93	22.0					
70584	002.22	032.83	0473.1	02.39	01.99	16.7	001.60	032.04	0366.6	01.97	21.0					
70585	003.60	077.41	0440.7	01.35	01.15	15.5	002.33	063.64	0342.8	00.99	19.7					
70623	001.60	024.95	0521.5	02.40	02.01	15.7	001.22	008.98	0390.1	03.78	21.7					
70652	002.44	030.62	0441.1	06.21	05.14	17.8	003.24	034.25	0312.4	04.89	23.6					
74005	000.73	011.55	0494.2	03.27	03.09	17.2	000.46	002.78	0395.1	05.17	22.1	000.34	002.59	0409.2	06.58	21.4
74007	000.92	007.68	0503.1	02.03	01.75	17.1	000.35	000.52	0378.9	03.01	23.3	000.54	004.20	0443.8	01.33	19.6
76018	002.94	049.30	0460.3	00.85	00.75	16.2	001.89	021.86	0357.8	00.43	22.3	003.00	032.19	0415.0	00.32	18.7
76028	002.08	032.15	0431.1	01.72	01.56	18.2	001.38	007.50	0354.4	02.84	23.9	001.96	017.66	0388.0	02.82	21.0

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=17 MODEL YR(S)=1975

MAKE=CHRYS DODGE PLY MODEL=CORDOBA CORONET CHARGER FURY

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50131	000.75	010.22	0687.2	02.14	01.97	12.6	000.58	000.47	0522.3	02.51	16.9	000.58	000.29	0536.9	03.24	16.4
50136	000.93	013.80	0632.5	02.35	02.17	13.5	001.30	019.84	0489.3	02.70	16.9	002.49	053.99	0456.8	02.13	16.1
50139	000.50	006.62	0694.3	02.61	02.51	12.6	000.26	001.90	0532.9	03.00	16.5	001.12	010.82	0560.3	03.74	15.3
50146	002.06	045.63	0648.1	02.48	02.33	12.2	001.36	026.53	0520.9	02.26	15.6	001.33	019.36	0525.7	04.40	15.8
50151	001.22	013.72	0691.7	02.12	02.03	12.4	000.64	002.64	0538.3	01.70	16.3	000.59	002.80	0566.4	02.26	15.0
50214	030.53	058.60	0637.6	02.74	02.89	10.7	022.97	036.56	0508.4	01.71	13.9	022.96	039.21	0513.8	01.92	13.7
50223	001.82	034.66	0600.1	01.62	01.52	13.4	001.32	021.82	0502.1	01.23	16.4	001.41	022.60	0511.5	01.53	16.1
50255	000.53	003.14	0705.6	02.09	01.96	12.5	000.11	000.20	0539.8	01.68	16.4	000.15	000.07	0496.0	02.65	17.9
50260	000.55	004.30	0704.1	01.88	01.71	12.4	000.17	000.27	0551.7	01.29	16.0	000.16	000.35	0538.5	01.17	16.4
50272	001.37	022.66	0642.8	02.57	02.45	13.0	000.57	002.03	0519.9	02.18	16.9	000.53	000.32	0504.2	03.92	17.5
50286	001.27	021.92	0657.7	02.95	02.97	12.7	001.21	015.76	0518.1	03.47	16.2	000.67	004.24	0568.6	05.57	15.4
50294	001.29	015.79	0691.6	03.05	03.08	12.3	000.94	007.86	0533.2	03.71	16.2	000.40	002.90	0530.6	03.83	16.5
50313	002.69	070.66	0565.5	02.37	02.35	12.9	001.89	034.71	0437.5	03.38	17.8					
50351	002.25	044.38	0619.3	03.17	02.96	12.7	001.83	028.53	0478.8	02.95	16.8					
50352	000.91	010.56	0775.9	02.62	02.46	11.1	000.24	000.62	0595.3	01.73	14.9					
50359	001.87	028.09	0686.7	02.56	02.31	12.4	001.08	009.02	0526.9	02.64	16.3					
50366	002.88	052.65	0703.1	01.97	01.73	11.2	001.83	038.94	0532.6	01.65	14.8					
50389	002.44	047.17	0609.4	02.14	01.95	11.8	001.90	037.06	0538.0	01.70	14.7					
50400	003.48	053.13	0641.0	02.82	02.48	12.1	002.46	035.64	0506.2	02.25	15.6					
50413	001.98	025.79	0637.5	02.30	01.90	12.6	002.58	020.43	0503.2	02.71	16.3					
50422	002.24	059.24	0596.0	03.36	02.88	12.7	002.2[illegible]	046.85	0465.9	03.73	16.2					
50449	006.41	119.36	0612.9	01.31	01.19	10.8	002.72	052.61	0523.6	01.25	14.4					
50462	000.87	011.45	0740.6	02.13	01.73	11.6	000.36	002.46	0564.7	02.11	15.6					
50473	001.10	016.44	0650.3	02.83	02.28	13.0	000.29	000.25	0507.1	03.25	17.4					
50476	003.20	053.40	0585.6	03.93	03.22	13.0	001.49	023.89	0464.8	02.95	17.5					
50480	001.22	003.07	0624.0	04.78	04.04	14.0	000.40	001.86	0518.4	04.52	17.0					
50481	002.94	040.69	0602.9	02.85	02.49	13.1	002.13	025.24	0508.1	03.11	16.0					
50498	001.09	009.96	0655.3	02.62	02.18	13.1	000.30	000.23	0570.6	02.40	15.5					
50521	001.48	009.62	0699.7	03.14	02.59	12.3	001.10	003.94	0515.8	04.32	16.9					
50553	002.93	048.87	0613.0	03.42	02.92	12.7	002.48	031.22	0456.7	03.12	17.3					
50561	000.83	007.46	0644.4	03.85	03.14	13.5	000.42	001.42	0485.5	02.80	18.1					
54014	000.52	003.09	0656.7	03.41	02.93	13.4	001.41	001.40	0496.4	03.47	17.6	001.02	001.67	0577.5	05.64	15.2
56003	002.67	065.08	0617.1	01.97	01.86	12.2	002.07	046.15	0495.8	01.36	15.4	001.50	041.06	0584.0	01.50	13.6

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=18 MODEL YR(S)=1976

MAKE=DODGE PLY MODEL=DART ASPEN VALIANT VOLARE

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60009	006.15	077.89	0507.0	01.74	01.53	13.7	004.05	026.43	0402.0	01.56	19.4	004.40	027.91	0453.2	01.92	17.4
60144	002.07	040.31	0622.0	00.95	00.95	12.8	002.14	044.88	0484.3	00.46	15.8	002.00	040.36	0529.4	00.65	14.8
60151	003.71	075.99	0544.3	02.06	02.15	13.1	003.52	069.97	0560.1	01.97	13.0	003.46	085.13	0417.0	01.15	15.8
60186	003.38	035.55	0529.8	02.27	02.17	14.9	003.83	021.81	0437.5	01.60	18.3	003.96	042.85	0450.8	01.66	16.7
60209	000.91	011.63	0665.7	01.82	01.80	12.9	000.35	000.68	0538.6	01.29	16.4	000.31	000.21	0543.9	01.59	16.3
60231	001.78	017.16	0540.0	04.56	04.43	15.5	001.83	006.67	0453.8	03.09	18.9	001.67	006.00	0464.6	04.01	18.5
60238	002.44	023.10	0518.5	03.97	04.11	15.8	002.12	015.41	0409.7	03.02	20.1	003.38	045.22	0405.5	03.18	18.2
60239	001.10	009.71	0706.9	01.03	01.15	12.2	001.04	011.94	0529.7	00.56	16.1	000.55	004.25	0594.7	00.70	14.7
60282	002.89	020.54	0534.7	01.82	02.03	15.4	003.75	021.38	0434.6	01.37	18.5	002.58	007.63	0474.0	01.84	17.9
60302	002.13	021.02	0563.3	02.23	02.21	14.7	002.27	010.48	0462.0	01.66	18.3	004.44	092.15	0394.0	00.88	16.0
60325	001.52	005.94	0647.8	01.46	01.48	13.4	002.17	032.49	0486.5	00.56	16.3	001.47	003.08	0550.9	00.92	15.8
60327	002.90	040.76	0649.3	01.27	01.29	12.3	002.40	044.37	0486.4	00.55	15.7	001.51	022.12	0541.9	00.87	15.3
60342	004.08	044.26	0560.3	01.94	02.13	13.8	003.30	016.33	0456.9	02.01	18.0	003.77	050.50	0402.1	01.36	18.0
60365	003.48	039.56	0550.7	01.83	01.74	14.7	003.03	028.01	0450.9	01.52	17.6					
60380	000.69	012.92	0697.7	03.22	03.22	12.3	000.19	000.13	0549.7	02.44	16.1					
60381	004.14	047.47	0524.5	02.73	02.53	14.5	004.33	047.49	0402.7	01.62	18.1					
60419	000.97	006.31	0668.3	01.90	01.89	13.0	000.55	001.44	0538.1	02.41	16.4					
60434	003.27	074.07	0583.5	06.27	05.84	12.5	002.32	056.35	0494.8	04.96	15.0					
60475	006.37	042.99	0532.0	02.74	02.49	14.3	003.65	021.13	0444.7	00.81	18.1					
60481	002.49	042.59	0676.9	01.08	01.00	11.8	002.16	057.65	0531.7	00.49	14.1					
60498	000.95	012.09	0673.8	02.03	01.79	12.7	001.09	023.31	0535.9	01.12	15.4					
60507	003.26	033.61	0533.7	02.05	01.90	14.9	004.39	041.85	0393.5	01.46	18.7					
60518	003.56	083.97	0502.0	01.14	00.96	13.7	002.57	043.16	0414.1	01.03	18.1					
60529	005.51	095.56	0518.7	01.72	01.51	12.9	004.49	067.78	0431.4	01.39	16.1					
60558	004.73	060.19	0550.6	01.65	01.44	13.4	005.08	049.81	0430.6	01.54	16.9					
60562	004.08	079.81	0569.8	01.10	00.92	12.5	002.91	043.89	0488.1	00.84	15.7					
60572	000.80	006.64	0698.0	01.71	01.34	12.5	000.40	000.50	0575.1	00.85	15.4					
60605	004.82	052.30	0478.6	01.96	01.70	15.4	004.67	067.77	0357.0	00.89	18.5					
60610	006.21	091.27	0495.2	04.37	04.07	13.5	004.85	065.22	0384.4	03.06	17.7					
60627	002.49	033.37	0627.7	03.14	02.64	12.9	003.11	063.46	0454.9	01.64	15.7					
60629	005.02	086.75	0505.3	01.38	01.12	13.5	002.91	040.87	0431.7	01.25	17.6					
60655	004.43	074.08	0565.2	02.97	02.43	12.7	003.09	040.80	0475.6	02.22	15.9					
60657	002.05	010.92	0595.2	02.89	02.36	14.3	001.60	003.40	0482.8	02.00	18.0					
60722	003.25	030.02	0530.2	01.96	01.60	15.1	002.62	013.99	0394.8	01.43	20.9					
64006	001.11	006.10	0550.7	04.33	04.01	15.7	001.42	001.57	0445.1	03.43	19.6	001.36	001.64	0472.1	03.42	18.5
66034	003.93	046.50	0539.7	02.29	02.11	14.2	004.14	042.66	0407.1	01.17	18.2	004.44	058.40	0419.4	01.35	16.9

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=19 MODEL YR(S)=1977

MAKE=CHRYS DODGE PLY MODEL=CORDOBA CORONET ASPEN VOLARE FURY

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70044	001.75	043.27	0593.9	01.70	01.43	13.3	001.91	050.97	0444.3	00.90	16.7	003.72	105.06	0408.8	01.60	15.1
70050	000.56	006.21	0572.6	03.54	03.64	15.2	000.38	000.33	0466.4	03.45	18.9	000.76	007.51	0477.0	04.62	18.1
70051	002.52	044.61	0618.5	01.07	01.03	12.7	002.13	026.22	0515.5	00.92	15.7	002.19	017.69	0478.7	02.32	17.3
70107	001.73	038.97	0628.2	01.31	01.13	12.8	001.49	025.68	0489.6	01.25	16.6	002.31	049.36	0461.3	01.25	16.2
70130	004.33	083.21	0555.4	00.91	00.83	12.7	003.14	066.03	0423.6	00.62	16.5	003.48	069.57	0425.4	01.02	16.3
70149	003.59	082.05	0504.9	00.83	00.88	13.7	004.11	101.97	0481.5	00.91	13.5	004.47	141.54	0367.4	00.39	14.7
70153	002.98	053.10	0616.5	01.19	01.14	12.5	002.34	030.07	0496.1	01.48	16.1	003.38	061.86	0473.3	01.45	15.3
70165	001.54	045.03	0593.3	00.78	00.75	13.3	001.09	023.62	0486.9	01.29	16.8	001.22	022.67	0501.0	01.74	16.4
70180	009.86	125.84	0556.4	01.08	01.06	11.3	008.04	125.68	0400.2	00.77	14.2	009.36	148.45	0381.0	00.78	13.8
70182	005.49	117.43	0468.9	01.28	01.16	13.2	004.55	088.82	0385.3	01.06	16.4	003.93	079.81	0406.8	01.29	16.3
70184	002.10	034.35	0573.4	02.39	02.54	14.0	001.61	024.48	0485.0	01.66	16.8	001.61	019.64	0471.7	02.13	17.5
70195	002.43	038.87	0567.4	01.78	01.67	13.5	001.36	008.47	0458.3	02.28	18.6	002.64	034.86	0470.6	02.24	16.6
70243	002.25	052.47	0571.8	02.76	02.71	13.4	002.19	044.33	0475.0	02.94	16.1	002.31	045.30	0482.7	03.22	15.8
70302	000.70	009.19	0576.1	01.36	01.35	15.0	000.46	007.70	0440.3	01.31	19.5	000.42	006.45	0459.1	02.42	18.8
70305	000.63	004.24	0594.0	03.17	02.93	14.7	000.31	001.28	0454.4	02.69	19.4	000.47	000.85	0463.3	03.40	19.0
70319	001.67	018.23	0592.2	01.19	01.16	14.2	001.86	026.93	0443.6	01.47	18.0	002.91	073.45	0369.1	00.73	18.0
70356	001.48	038.36	0646.3	00.86	00.77	12.5	001.77	041.30	0480.2	01.15	16.1					
70367	001.32	023.51	0668.1	01.23	01.16	12.2	001.45	037.08	0516.1	00.70	15.3					
70399	001.11	022.01	0700.7	01.07	01.03	12.0	000.86	011.86	0696.4	01.76	12.4					
70414	000.68	013.38	0506.6	01.77	01.67	15.0	000.83	013.20	0442.9	00.83	19.0					
70464	001.14	024.31	0608.4	01.33	01.14	13.6	000.92	018.80	0487.6	00.76	17.1					
70467	000.48	009.77	0679.5	01.68	01.43	12.7	000.56	010.88	0537.9	00.87	15.9					
70471	001.69	036.23	0612.2	01.35	01.21	13.1	001.02	024.96	0483.7	01.11	16.9					
70481	001.71	030.55	0614.0	02.15	01.85	13.3	001.47	023.31	0463.4	03.06	17.6					
70499	001.38	026.54	0606.1	01.07	00.95	13.6	000.95	017.71	0480.1	00.99	17.4					
70514	000.62	006.11	0607.0	02.48	01.94	14.3	001.14	015.17	0474.3	02.15	17.7					
70524	002.61	070.86	0559.3	01.78	01.42	13.0	003.68	092.16	0399.4	01.01	16.0					
70535	000.69	009.60	0596.2	01.79	01.55	14.5	000.37	001.05	0463.0	02.08	19.0					
70567	002.95	044.43	0569.9	02.53	02.27	13.7	002.06	022.43	0486.5	02.09	16.8					
70613	002.65	042.95	0535.2	03.42	02.87	14.5	002.29	033.58	0402.3	02.57	19.2					
70621	002.87	069.74	0616.6	01.14	00.95	12.1	001.22	027.70	0509.9	01.22	15.9					
70661	001.02	007.35	0615.3	02.34	01.92	14.1	000.44	002.68	0471.7	02.31	18.6					
74020	002.27	052.21	0620.2	01.46	01.31	12.5	001.90	027.36	0505.4	01.46	16.0	001.29	016.43	0550.5	01.81	15.3
74025	000.95	018.99	0668.2	03.81	03.41	12.6	001.02	017.99	0486.2	01.63	17.1	000.33	003.68	0548.1	04.12	16.0
74028	000.61	008.36	0598.4	04.13	03.72	14.5	000.27	000.27	0489.8	04.23	18.1	000.22	000.84	0463.5	04.02	19.0
74031	001.04	016.44	0687.8	01.46	01.31	12.4	000.67	010.18	0607.2	02.56	14.2					
76016	003.25	056.08	0593.6	01.51	01.26	12.8	002.48	026.44	0479.8	01.48	16.8	002.74	038.42	0478.5	02.09	16.2

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=20   MODEL YR(S)=1975,1976

MAKE=CHRYS DODGE PLY   MODEL=CORDOBA CORONET FURY

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50121	000.44	010.93	0725.8	02.53	02.27	11.9	000.11	002.31	0585.8	01.78	15.0	000.16	003.26	0597.6	02.34	14.7
50128	001.29	030.41	0709.4	02.34	02.20	11.6	000.70	012.92	0583.2	02.63	14.6	001.09	025.90	0571.4	02.56	14.4
50132	004.00	023.11	0749.9	01.55	01.40	11.1	001.62	052.93	0568.3	00.89	13.5	007.36	041.13	0589.7	05.35	13.1
50189	001.76	059.19	0686.7	01.98	01.91	11.3	001.53	045.02	0549.8	02.37	14.2	001.68	049.69	0541.0	02.70	14.2
50192	001.73	025.17	0593.2	04.90	04.94	13.9	001.38	019.70	0485.2	04.18	17.0	002.62	051.32	0475.1	04.96	15.7
50251	004.58	100.80	0601.7	01.71	01.59	11.4	003.48	071.03	0458.8	02.22	15.3	002.80	085.86	0415.6	01.76	15.9
50252	004.71	127.15	0669.7	01.64	01.56	09.8	002.43	065.55	0493.8	01.21	14.7	002.73	077.56	0433.6	00.66	15.7
50274	000.72	005.12	0779.8	01.91	01.90	11.2	000.23	002.11	0616.5	01.45	14.3	000.34	002.86	0613.9	02.87	14.3
50277	002.46	035.73	0649.9	03.10	03.12	12.4	001.41	021.86	0517.6	03.11	15.9	001.52	023.41	0549.7	03.84	15.0
50376	003.10	067.53	0615.4	03.05	02.82	12.1	003.10	053.29	0482.1	03.07	15.4					
50387	003.05	082.72	0749.7	01.91	01.74	10.3	002.46	065.85	0580.2	01.58	12.8					
50394	002.07	040.65	0748.9	02.20	01.95	10.8	002.11	043.79	0556.1	02.41	14.0					
50401	002.16	036.24	0692.7	03.68	03.14	11.7	001.84	014.54	0522.5	03.53	16.1					
50425	004.91	137.03	0594.0	01.71	01.43	10.8	004.08	107.36	0491.5	01.63	13.2					
50444	000.78	009.59	0676.5	03.05	02.64	12.8	000.59	009.63	0553.0	02.83	15.6					
50453	004.02	056.81	0590.8	02.26	01.91	12.8	002.94	048.69	0448.0	02.40	16.6					
50463	001.57	045.97	0609.0	01.21	00.97	11.9	001.45	031.77	0546.5	01.18	14.8					
50493	002.07	046.59	0629.3	03.62	03.08	12.5	002.13	040.85	0441.9	03.78	17.3					
56002	001.99	034.45	0643.3	02.18	02.05	12.6	001.06	019.91	0514.9	01.77	16.1	000.74	011.24	0575.6	02.79	14.9
56021	002.54	072.96	0621.2	03.01	02.76	11.9	002.28	061.23	0467.7	02.33	15.5	002.22	067.07	0528.5	03.83	13.8
60133	000.94	010.47	0750.2	02.78	02.55	11.5	000.10	000.79	0595.4	01.92	14.9	002.23	043.09	0552.7	03.88	14.1
60246	002.87	047.87	0620.1	02.40	02.73	12.6	002.47	040.59	0495.9	02.35	15.6	002.25	036.55	0502.6	02.51	15.6
60344	004.01	105.38	0573.7	01.16	01.15	11.8	003.21	077.58	0464.5	01.31	14.9	003.89	130.61	0419.3	00.80	13.9
60354	001.81	028.87	0739.8	01.83	01.71	11.2	001.01	021.09	0605.9	01.38	13.8					
60359	002.34	055.97	0630.7	04.24	03.95	12.2	003.02	062.03	0493.1	03.76	14.8					
60376	003.47	078.72	0643.2	03.49	03.33	11.4	003.00	070.06	0529.4	02.19	13.7					
60398	001.20	014.17	0769.9	02.11	01.92	11.1	000.40	001.40	0620.1	01.60	14.2					
60579	000.61	008.88	0700.6	03.19	02.57	12.4	000.26	001.37	0547.4	03.08	16.1					
60639	000.39	006.50	0701.7	02.95	02.41	12.4	000.17	000.82	0542.7	02.88	16.3					
60717	002.90	060.42	0695.6	01.94	01.58	11.1	002.64	063.79	0527.7	01.32	13.9					
66004	001.65	052.89	0684.1	03.67	03.11	11.5	001.34	041.20	0559.5	03.32	14.1	001.28	038.82	0542.3	03.95	14.6
66018	001.12	010.12	0648.5	04.00	03.46	13.3	001.18	014.35	0504.0	04.04	16.7	001.43	027.77	0504.5	04.63	16.0
66021	002.65	057.36	0610.1	02.86	02.52	12.5	003.21	049.89	0455.8	02.97	16.3	002.33	043.51	0501.3	03.91	15.4
66042	002.44	039.22	0635.4	03.16	02.87	12.2	001.62	009.70	0532.3	03.06	16.0					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=22   MODEL YR(S)=1975

MAKE=FORD MERC   MODEL=PINTO MUSTANG II BOBCAT

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50082	001.30	025.79	0460.9	01.88	01.66	17.[illegible]	000.92	015.64	0370.2	01.36	22.3	000.84	012.74	0397.2	01.39	21.1
50112	002.67	043.37	0374.3	03.99	03.85	19.7	002.28	035.82	0291.1	02.81	25.0	002.53	029.51	0311.0	03.59	24.3
50159	000.66	001.96	0415.6	05.56	06.20	21.1	000.47	000.24	0335.1	04.79	26.3	000.45	000.39	0362.5	07.72	24.3
50167	001.29	012.53	0442.6	01.31	01.34	19.0	001.11	006.22	0358.5	00.79	23.8	001.47	004.93	0388.5	01.08	22.1
50173	002.24	016.12	0450.3	02.46	02.42	18.4	002.22	009.79	0365.2	01.22	22.9	002.52	008.31	0377.5	01.86	22.2
50204	001.97	024.42	0398.0	03.86	03.91	20.0	001.66	019.29	0328.0	02.95	24.4	001.96	016.36	0349.0	03.66	23.3
50208	000.56	007.37	0467.5	01.03	01.13	18.4	000.50	003.50	0380.9	00.58	22.9	000.61	002.93	0394.9	00.82	22.1
50231	000.62	003.04	0467.8	02.16	02.47	18.7	000.42	002.64	0367.0	01.39	23.8	000.58	000.98	0384.7	02.41	22.9
50248	000.92	013.17	0456.3	01.73	01.74	18.5	000.72	009.66	0374.2	01.15	22.6	000.96	017.69	0381.5	01.06	21.5
50292	016.69	008.16	0415.9	04.28	04.17	18.4	013.09	002.35	0332.7	02.89	23.5	015.75	003.45	0327.5	02.96	23.2
50293	001.09	025.84	0436.8	01.95	01.91	18.4	000.82	018.35	0357.0	01.66	22.8	000.86	015.32	0367.1	02.16	22.5
50299	001.34	026.45	0421.9	01.52	01.42	19.0	001.14	018.04	0339.7	01.23	23.9					
50335	000.62	015.77	0495.9	01.24	01.12	17.0	000.48	013.30	0393.3	02.35	21.3					
50368	001.05	019.24	0469.6	01.30	01.24	17.6	001.30	015.67	0365.9	00.73	22.5					
50378	000.31	001.67	0490.2	00.79	00.69	18.0	000.28	000.94	0380.7	00.46	23.2					
50379	009.31	020.41	0417.4	03.58	03.16	18.5	006.88	013.87	0389.0	03.42	20.5					
50407	000.72	006.43	0456.3	01.52	01.29	18.9	000.59	001.76	0358.3	01.02	24.4					
50417	000.80	006.09	0451.2	02.01	01.74	19.1	000.52	002.34	0353.2	01.19	24.7					
50474	001.16	024.71	0461.6	02.30	01.86	17.6	000.95	015.67	0419.8	01.95	19.8					
50500	001.53	029.66	0384.4	01.87	01.56	20.3	001.34	015.53	0303.6	01.74	26.7					
50501	001.30	029.97	0468.0	01.27	01.06	17.1	001.42	025.99	0359.2	00.77	21.9					
50503	002.43	010.14	0465.3	01.26	01.02	18.1	001.52	005.52	0380.3	00.83	22.5					
50504	001.42	014.21	0453.9	02.04	01.67	18.4	000.81	006.89	0369.5	01.01	23.2					
50508	001.07	019.86	0441.4	01.81	01.49	18.6	001.43	013.86	0487.0	02.67	17.3					
50509	000.43	003.94	0455.1	02.13	01.75	19.2	000.22	000.28	0372.6	01.50	23.7					
50512	001.17	017.56	0444.7	03.09	02.56	18.6	000.95	013.11	0348.8	02.06	23.8					
50514	010.70	013.93	0510.4	02.64	02.16	15.7	010.60	003.53	0391.2	02.38	20.6					
50516	001.48	037.84	0450.6	02.01	01.80	17.2	001.19	022.78	0338.7	01.70	23.4					
50541	001.87	027.54	0372.7	05.07	04.01	21.0	001.80	025.35	0280.7	03.17	27.2					
50552	001.25	026.84	0416.1	01.47	01.24	19.2	001.24	019.38	0322.8	00.71	24.8					
50560	000.83	010.88	0439.6	03.16	02.63	19.3	000.67	003.72	0339.6	02.01	25.5					
56004	001.43	018.19	0408.1	02.39	01.97	20.1	001.27	014.69	0311.6	01.48	26.2	001.36	012.08	0379.7	01.91	22.0

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=23 MODEL YR(S)=1975

MAKE=FORD MERC MODEL=PINTO MUSTANG II BOBCAT

	-FTP RESULTS-						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50007	001.05	018.65	0479.5	01.28	01.20	17.3	000.67	011.17	0384.6	00.83	21.9	000.65	008.46	0408.1	01.20	20.9
50016	001.32	024.84	0482.6	02.64	02.26	16.5	000.84	016.34	0401.0	02.14	20.7	000.72	010.54	0412.2	02.25	20.6
50043	000.81	007.60	0445.2	01.81	01.76	19.3	000.59	004.04	0364.1	01.27	23.8	000.84	002.34	0380.8	01.74	22.9
50052	001.18	014.53	0541.7	02.62	02.17	15.6	000.54	010.03	0435.7	01.75	19.6	000.79	012.64	0423.9	02.43	19.9
50054	000.55	001.83	0427.1	02.39	02.07	20.5	000.28	000.72	0343.5	01.67	25.7	000.58	000.56	0323.1	01.69	27.2
50071	001.75	018.95	0454.0	01.60	01.59	18.1	001.29	013.43	0358.4	01.32	23.1	001.79	016.87	0371.3	01.45	22.0
50075	001.94	029.52	0591.1	00.46	00.43	13.8	001.26	023.21	0425.5	00.27	19.0	001.12	022.20	0461.1	00.33	17.8
50077	001.03	019.43	0493.5	01.43	01.41	16.8	000.60	015.16	0378.1	01.05	22.0	000.60	012.79	0371.9	01.42	22.5
50090	001.17	015.15	0419.2	02.25	02.03	19.9	001.07	009.04	0339.6	01.49	24.8	001.07	011.96	0380.7	01.70	22.0
50095	000.57	001.46	0410.9	02.03	02.00	21.4	000.32	000.49	0332.6	01.32	26.5	000.41	000.78	0337.3	01.43	26.1
50130	001.36	012.86	0435.2	01.89	01.73	19.3	001.18	011.88	0347.8	01.54	24.0	001.52	010.77	0356.1	01.51	23.5
50145	001.27	020.18	0428.8	01.95	01.88	19.1	001.06	014.79	0345.6	01.48	23.8	001.06	013.74	0375.1	01.82	22.2
50161	001.17	021.97	0470.0	02.29	02.14	17.4	000.97	012.29	0385.5	01.81	21.7	001.04	009.37	0388.6	02.45	21.8
50169	001.47	022.97	0516.2	01.86	01.73	15.9	001.02	010.76	0415.4	01.24	20.4	001.12	007.76	0426.2	01.26	20.1
50175	002.11	019.45	0447.6	01.86	02.05	18.3	001.73	017.52	0364.4	01.44	22.3	001.71	017.97	0367.1	01.76	22.1
50178	001.74	029.23	0471.1	01.74	01.63	17.0	000.91	021.91	0384.1	01.37	21.0	001.51	017.66	0424.1	01.72	19.4
50233	000.79	004.29	0515.3	00.73	00.68	16.9	000.52	002.28	0389.6	00.41	22.5	001.15	001.52	0358.6	00.77	24.3
50238	001.35	016.70	0451.3	01.69	01.83	18.4	001.12	014.88	0371.7	01.22	22.2	001.25	015.24	0363.7	01.71	22.6
50268	000.95	003.30	0416.5	01.52	01.45	20.9	000.50	001.21	0329.3	01.02	26.6	000.62	001.00	0335.6	01.19	26.1
50273	008.45	024.91	0446.5	02.51	02.63	17.3	004.36	019.62	0366.4	01.76	21.6	006.14	012.74	0372.9	02.48	21.5
50305	001.29	019.78	0416.2	02.18	02.02	19.6	000.96	014.67	0330.8	01.57	24.9					
50322	001.30	020.34	0502.2	02.03	01.93	16.5	000.79	013.57	0376.6	01.39	22.1					
50348	000.85	010.77	0479.5	02.14	02.00	17.8	000.79	010.37	0436.2	01.98	19.5					
50360	001.54	005.66	0448.6	02.00	01.92	19.2	000.93	000.88	0346.1	01.09	25.3					
50363	002.08	011.92	0458.9	02.41	02.22	18.3	002.20	005.79	0366.6	01.92	23.2					
50393	001.27	015.52	0514.0	01.56	01.42	16.3	001.05	011.17	0425.7	01.15	19.9					
50406	001.26	025.37	0484.2	02.01	01.65	16.8	000.74	020.70	0375.1	01.39	21.6					
50412	001.30	020.37	0516.2	02.02	01.71	16.1	000.90	016.75	0402.6	01.75	20.5					
50418	002.27	019.67	0499.9	01.77	01.58	16.5	001.51	007.79	0380.6	01.35	22.3					
50428	002.07	031.01	0383.6	01.73	01.45	20.2	001.43	014.83	0318.2	01.47	25.6					
50432	000.47	002.79	0499.7	01.43	01.21	17.5	000.13	000.68	0401.0	01.06	22.0					
50433	001.34	016.36	0512.9	01.39	01.21	16.3	001.10	013.63	0425.1	00.97	19.7					
50490	001.40	014.60	0457.2	01.69	01.49	18.3	001.07	010.54	0354.1	01.09	23.7					
50517	001.49	012.18	0456.2	02.17	01.61	18.5	001.02	010.55	0356.5	01.62	23.6					
50519	001.42	025.25	0394.4	02.22	01.85	20.2	000.87	018.29	0314.3	01.76	25.6					
50525	001.04	017.41	0484.8	02.59	02.21	17.2	000.71	013.88	0374.0	01.83	22.3					
50540	002.26	037.59	0410.2	02.38	01.88	18.6	001.67	030.67	0308.4	01.51	24.5					
50558	000.34	001.53	0563.1	00.54	00.76	15.7	000.08	000.20	0437.7	00.50	20.2					
54013	000.95	003.16	0392.5	02.79	02.44	22.1	000.89	001.33	0321.2	01.98	27.2	000.56	000.84	0321.6	02.29	27.3
54023	003.13	014.54	0454.5	03.65	03.20	18.2	001.59	013.23	0360.1	02.47	23.0	001.98	015.03	0376.7	02.85	21.8
54040	001.11	029.93	0471.4	01.67	01.53	17.0	000.65	014.12	0404.0	01.30	20.7	000.62	014.29	0365.2	01.01	22.8

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=24 MODEL YR(S)=1976

MAKE=FORD MERC MODEL=PINTO MUSTANG II BOBCAT

	-FTP RESULTS-						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60064	000.70	002.90	0455.5	02.00	01.78	19.2	000.50	000.89	0366.4	01.29	24.0	000.52	000.75	0381.8	01.50	23.1
60098	000.81	005.27	0445.7	02.68	02.35	19.4	000.61	001.22	0345.1	01.75	25.4	000.49	000.91	0340.3	01.75	25.8
60126	000.78	002.75	0447.8	02.61	02.28	19.5	000.67	000.59	0323.8	01.51	27.1	000.71	001.30	0368.4	01.28	23.8
60128	000.48	002.07	0453.3	02.15	01.84	19.4	000.30	000.09	0367.7	01.20	24.0	000.34	000.24	0375.2	01.72	23.5
60153	000.68	001.60	0445.8	01.73	01.69	19.7	000.48	000.26	0357.3	01.04	24.7	000.51	001.55	0358.4	00.64	24.5
60234	000.67	002.92	0401.7	04.62	04.65	21.7	000.53	000.79	0334.1	03.62	26.3	000.76	000.80	0368.9	05.47	23.8
60250	000.94	004.89	0451.8	01.57	01.72	20.0	000.62	001.25	0364.0	00.90	24.1	000.68	000.92	0368.9	01.28	23.8
60255	000.76	003.02	0422.0	03.56	03.87	20.7	000.69	000.69	0336.4	02.60	26.1	000.52	000.98	0352.6	03.80	24.9
60328	000.62	003.75	0488.9	00.92	00.95	17.9	000.44	000.69	0391.6	00.57	22.5	000.79	000.90	0385.2	00.63	22.8
60334	001.03	006.45	0458.8	01.76	01.67	18.8	000.91	002.01	0364.0	01.11	24.0	001.17	001.72	0379.1	01.47	23.0
60343	000.77	004.71	0456.9	01.80	01.90	19.0	000.47	000.70	0361.3	01.21	24.4	000.43	000.75	0347.8	01.36	25.3
60352	000.76	005.31	0454.2	01.81	01.61	19.1	000.57	001.47	0357.1	01.01	24.5					
60353	000.50	002.86	0430.7	01.25	01.32	20.3	000.32	000.26	0329.0	00.63	26.8	000.42	000.70	0349.1	01.00	25.2
60406	001.04	004.69	0452.9	01.72	01.76	19.1	000.68	000.84	0354.0	01.11	24.8					
60491	000.99	002.60	0459.7	02.71	02.52	19.0	000.78	000.62	0392.3	02.20	22.4					
60493	002.30	038.67	0358.8	01.56	01.43	20.8	002.19	024.36	0290.9	00.83	26.4					
60512	001.12	009.88	0455.7	03.18	02.80	18.7	000.77	002.56	0380.7	02.00	22.9					
60513	000.93	003.08	0422.0	02.21	01.91	20.6	000.90	000.73	0342.0	01.26	25.6					
60516	000.51	003.59	0443.6	02.79	02.43	19.7	000.30	000.17	0351.6	01.79	25.1					
60525	000.45	002.54	0436.5	01.45	01.27	20.1	000.38	000.37	0341.1	00.65	25.9					
60538	000.48	001.70	0458.4	02.13	01.76	19.2	000.43	000.59	0375.6	01.29	23.5					
60563	000.62	003.50	0448.5	01.86	01.58	19.5	000.47	000.84	0358.5	01.23	24.5					
60582	001.13	002.77	0392.0	03.95	03.14	22.2	000.53	001.07	0328.3	03.77	26.7					
60647	000.52	002.59	0460.8	01.41	01.23	19.0	000.34	000.76	0357.2	00.72	24.7					
60650	000.96	008.32	0436.0	01.50	01.29	19.6	000.52	000.48	0340.5	00.69	25.9					
60666	000.58	002.33	0410.1	01.97	01.64	21.3	000.49	000.56	0315.3	01.25	27.9					
60670	000.72	005.84	0438.0	01.32	01.10	19.7	000.46	000.80	0330.3	00.70	26.6					
60695	000.41	002.05	0500.5	01.92	01.49	17.6	000.29	000.60	0364.2	01.05	24.2					
60718	000.79	006.46	0439.3	01.83	01.49	19.6	000.55	001.27	0338.6	00.89	25.9					
60729	001.54	002.81	0389.4	02.36	01.59	22.2	001.77	000.55	0292.3	01.53	29.7					
64014	000.62	002.79	0428.1	01.98	01.65	20.4	000.37	001.25	0343.8	01.44	25.6	000.39	000.66	0385.5	01.75	22.9
64031	000.84	002.14	0428.6	01.70	01.43	20.4	000.44	001.35	0348.4	01.03	25.2	000.94	001.07	0375.4	01.33	23.3

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

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CELL NO=25    MODEL YR(S)=1976

   MAKE=FORD MERC              MODEL=PINTO MUSTANG II BOBCAT

        -------------FTP RESULTS-------------   -HTS FED SHORT CYCLE RESULTS-     -DEQ FED SHORT CYCLE RESULTS-
EPA NO    HC     CO    CO2    NOX  NOXC  MPG      HC     CO    CO2    NOX  MPG      HC     CO    CO2    NOX  MPG

60013   001.46 009.82 0388.6 02.81 02.47 21.7   000.75 005.43 0311.3 02.30 27.5   000.70 001.90 0295.7 02.97 29.1
60014   001.09 005.92 0425.0 02.80 02.37 20.3   000.54 002.79 0334.9 02.05 26.0   000.58 001.89 0346.0 03.10 25.3
60045   000.71 002.61 0388.6 02.70 02.25 22.5   000.42 001.16 0308.2 02.41 28.5   000.43 000.29 0329.3 02.38 26.8
60051   000.54 002.51 0451.5 02.33 01.55 19.4   000.35 000.36 0358.7 01.37 24.6   000.64 000.49 0405.3 01.90 21.7
60095   000.79 002.43 0413.3 02.47 02.08 21.1   000.44 001.39 0308.9 01.90 28.4   000.60 000.76 0316.2 01.43 27.8

60107   000.79 003.28 0420.4 04.33 03.81 20.7   000.34 000.92 0329.9 03.20 26.7   000.34 000.53 0332.7 04.73 26.5
60115   001.30 012.89 0432.6 02.93 02.71 19.4   001.04 006.50 0331.6 01.95 25.7   001.03 006.08 0328.5 02.52 26.0
60122   000.74 002.64 0400.6 01.51 01.35 19.0   000.35 001.74 0367.1 00.94 23.9   000.45 000.65 0368.5 00.97 23.9
60134   000.81 002.79 0366.1 02.49 02.12 22.6   000.48 001.68 0302.3 01.80 28.9   000.54 000.88 0337.2 02.14 26.1
60145   000.24 002.18 0512.7 01.45 01.49 17.2   000.20 000.79 0419.0 00.83 21.1   000.24 001.52 0429.4 00.98 20.5

60148   001.13 003.35 0411.5 03.08 03.45 21.1   000.47 000.79 0312.0 02.47 28.2   000.64 001.22 0346.6 02.57 25.3
60149   000.83 003.36 0410.6 01.49 01.54 21.0   000.44 001.43 0328.4 01.26 26.7   000.48 002.20 0331.5 01.07 26.4
60212   001.02 007.36 0467.0 01.75 01.76 17.7   000.60 003.22 0391.7 01.08 22.2   000.57 003.19 0393.9 01.30 22.1
60230   000.76 004.05 0432.3 01.06 01.02 20.1   000.43 003.19 0348.9 00.75 25.0   000.50 000.76 0363.3 01.11 24.2
60235   001.00 009.41 0411.6 01.50 01.54 20.6   000.66 005.81 0324.4 00.95 26.4   000.75 007.28 0343.3 01.50 24.6

60240   001.44 008.51 0434.9 01.45 01.65 19.6   000.87 004.38 0332.1 00.86 26.0   000.44 002.07 0343.2 00.93 25.5
60267   000.77 001.14 0399.7 01.99 02.04 22.0   000.64 000.83 0330.6 02.14 26.6   000.86 001.48 0336.4 02.69 26.0
60275   001.38 008.55 0439.5 01.28 01.22 19.4   000.65 003.78 0355.2 01.13 24.4   000.80 001.71 0288.8 02.92 30.2
60285   001.09 010.55 0421.4 01.93 01.82 20.1   000.52 004.04 0319.7 01.46 27.0   000.77 000.66 0333.1 02.13 26.3
60307   001.30 009.98 0415.4 01.73 01.66 20.4   000.66 004.46 0339.1 01.13 25.5   001.02 006.01 0371.9 02.55 23.1

60366   000.78 005.66 0469.8 01.31 01.20 18.4   000.32 002.29 0379.8 00.53 23.1
60374   001.27 006.81 0429.8 01.36 01.30 20.0   000.56 004.31 0339.9 00.88 25.5
60387   001.00 004.64 0407.6 03.87 03.41 21.2   000.63 002.97 0328.4 03.12 26.5
60431   000.99 004.08 0419.5 03.65 03.40 20.7   000.55 003.31 0332.1 02.88 26.2
60453   000.78 005.25 0534.6 00.96 00.90 16.3   000.51 003.08 0428.1 00.55 20.4

60464   001.54 007.77 0450.0 02.36 02.07 19.0   000.75 003.10 0344.5 01.78 25.2
60476   000.72 002.29 0418.5 03.03 02.67 20.9   000.46 001.12 0327.4 03.22 26.8
60554   000.74 003.05 0410.7 02.57 02.30 21.2   000.32 000.84 0308.3 02.68 28.5
60595   000.95 002.10 0409.2 02.15 01.90 21.3   000.56 000.61 0326.5 01.71 26.9
60668   007.22 062.84 0349.0 03.72 03.25 18.8   005.95 050.90 0257.5 02.53 24.9

60709   000.71 003.66 0421.0 01.65 01.37 20.7   000.22 000.59 0319.9 01.30 27.6
60711   001.06 006.64 0418.1 02.16 01.80 20.5   000.75 004.29 0322.8 01.31 26.7
64008   001.13 003.29 0369.5 03.15 02.76 22.3   000.42 000.50 0333.1 03.27 26.5   000.28 000.06 0339.8 04.33 26.0
64012   002.74 010.86 0409.6 02.47 02.28 20.4   001.65 004.32 0323.2 02.37 26.5   000.81 000.54 0306.1 03.08 28.7
64051   000.76 003.09 0364.6 03.65 03.50 22.6   000.47 001.93 0304.9 03.47 28.7   000.56 001.59 0340.5 04.05 25.7

64056   001.85 004.81 0374.4 03.82 03.33 22.9   001.18 001.76 0296.9 03.72 29.2
66043   004.69 050.59 0332.4 03.23 02.82 20.8   003.68 038.32 0266.9 02.54 26.2
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APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

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CELL NO=26    MODEL YR(S)=1977

   MAKE=FORD MERC              MODEL=PINTO MUSTANG II BOBCAT

        -------------FTP RESULTS-------------   -HTS FED SHORT CYCLE RESULTS-     -DEQ FED SHORT CYCLE RESULTS-
EPA NO    HC     CO    CO2    NOX  NOXC  MPG      HC     CO    CO2    NOX  MPG      HC     CO    CO2    NOX  MPG

70083   001.54 033.68 0379.3 02.22 02.03 20.3   000.98 024.01 0293.4 01.53 26.5   001.32 021.31 0296.9 01.87 26.5
70084   000.34 001.75 0521.3 01.11 01.10 16.9   000.16 000.04 0424.8 00.66 20.8   000.31 000.73 0387.7 01.29 22.7
70085   001.66 028.27 0400.5 01.93 01.84 19.7   000.92 012.67 0316.8 01.18 26.1   001.11 021.38 0321.6 01.39 24.7
70097   000.93 023.53 0400.7 03.43 03.20 20.1   001.38 028.81 0307.5 03.07 24.8   001.11 020.58 0322.5 03.63 24.7
70104   000.29 004.98 0407.8 02.39 02.10 21.3   000.10 000.25 0329.0 01.53 26.9   000.50 007.33 0336.0 00.82 25.4

70121   000.64 013.45 0420.6 01.73 01.62 20.0   000.65 008.57 0342.0 01.16 24.8   000.70 009.95 0345.1 01.07 24.4
70134   001.00 031.94 0427.2 01.11 01.01 18.5   001.29 028.83 0337.0 00.66 23.0   001.12 017.03 0314.6 01.79 25.7
70156   002.09 048.10 0360.9 01.75 01.66 20.0   002.33 043.88 0282.2 01.11 24.7   001.67 031.66 0301.2 01.52 24.9
70160   000.50 007.45 0386.2 01.67 01.59 22.2   000.36 003.76 0314.4 00.94 27.6   000.21 001.60 0323.2 01.30 27.2
70167   001.65 037.85 0353.1 01.30 01.39 21.2   001.69 033.87 0276.4 00.85 26.5   001.26 023.90 0311.9 01.53 25.1

70183   001.74 032.66 0372.8 01.64 01.56 20.6   001.51 026.45 0324.7 01.14 23.9   001.42 026.33 0322.8 01.26 24.1
70188   000.33 001.57 0450.6 01.49 01.57 19.5   000.23 000.40 0354.6 00.61 24.9   000.27 000.20 0375.8 01.07 23.5
70270   000.94 023.94 0352.4 01.19 01.14 22.6   000.79 013.91 0308.9 01.13 26.6   000.78 012.50 0327.2 01.74 25.4
70273   001.03 015.00 0386.9 01.25 01.26 21.4   001.01 011.39 0320.2 00.75 26.0   000.60 005.77 0328.1 01.12 26.2
70291   002.02 048.11 0342.2 01.05 01.16 20.9   001.99 043.13 0271.9 00.83 25.6   001.39 030.26 0295.3 01.03 25.5

70294   000.72 012.20 0392.2 01.85 01.74 21.4   000.73 008.50 0322.0 01.11 26.3   001.27 019.05 0323.3 01.36 24.8
70370   004.26 115.68 0363.0 01.24 01.15 15.9   001.62 017.48 0340.1 01.16 23.8
70373   001.87 038.75 0410.8 01.72 01.58 18.6   001.50 025.30 0342.1 01.33 22.9
70375   000.39 002.67 0519.6 01.16 01.09 16.9   000.24 000.57 0412.5 00.62 21.4
70377   002.32 042.76 0389.7 01.52 01.53 19.1   002.17 036.55 0311.5 00.97 23.6

70390   000.43 003.54 0486.4 01.08 00.98 18.0   000.24 000.12 0370.5 00.56 23.9
70398   002.76 049.29 0339.7 02.23 02.09 20.8   002.63 035.45 0273.6 01.67 26.3
70415   000.53 003.45 0417.1 01.59 01.46 20.5   000.33 000.34 0330.7 01.41 26.7
70437   000.37 002.57 0431.8 01.32 01.20 20.3   000.31 000.10 0337.3 00.99 26.2
70447   002.32 053.65 0357.1 01.98 01.70 19.8   003.13 053.56 0277.3 01.37 23.9

70491   002.44 042.55 0345.8 04.45 03.81 21.1   002.09 033.62 0279.4 03.59 26.2
70527   001.49 033.35 0370.4 01.26 01.10 20.7   001.65 031.83 0296.7 00.92 25.2
70536   001.20 026.07 0387.9 01.59 01.38 20.5   001.02 017.02 0317.6 01.04 25.5
70557   002.76 042.31 0342.0 01.80 01.59 21.3   002.85 038.22 0259.8 01.07 27.0
70575   001.96 036.92 0362.1 02.14 01.77 20.8   001.81 030.48 0295.9 01.45 25.4

70590   001.80 041.68 0330.6 02.03 01.65 22.1   001.77 034.43 0287.3 01.67 25.6
70604   001.49 039.87 0371.2 01.11 00.94 20.2   001.36 029.41 0289.9 00.85 26.0
70614   002.41 050.67 0339.7 01.54 01.31 20.8   002.36 048.72 0254.1 00.85 26.2
70626   001.79 040.47 0326.6 01.98 01.57 22.4   002.24 042.60 0242.3 01.27 28.0
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APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=27   MODEL YR(S)=1977

MAKE=FORD MERC   MODEL=PINTO MUSTANG II BOBCAT

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEO FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70071	000.73	002.35	0367.8	02.39	02.09	23.7	000.22	000.07	0294.1	01.89	30.1	000.23	000.03	0289.2	01.76	30.6
70074	000.74	003.30	0421.7	01.95	01.67	20.7	000.27	000.80	0331.7	01.47	26.6	000.25	000.11	0305.7	01.56	28.9
70077	001.06	007.31	0419.9	01.30	01.18	20.4	000.35	000.93	0323.4	00.82	27.2	000.33	000.23	0333.6	01.01	26.5
70079	000.77	004.87	0452.4	00.97	00.87	19.2	000.22	003.86	0360.1	00.45	24.2	000.26	000.08	0313.1	01.61	28.2
70081	001.24	008.74	0397.6	03.31	02.87	21.4	000.32	000.91	0320.0	02.92	27.3	000.38	000.37	0322.2	02.82	27.4
70102	000.81	003.19	0421.1	01.64	01.44	20.7	000.26	000.24	0337.3	01.11	26.2	000.23	000.16	0321.7	01.26	27.5
70120	000.95	005.13	0360.0	02.79	02.65	23.9	000.36	000.72	0298.3	01.87	29.5	000.41	000.20	0308.7	02.35	28.6
70169	000.94	002.81	0359.3	02.04	02.44	24.2	000.47	000.48	0314.6	01.14	28.0	000.50	001.72	0336.8	00.83	26.0
70172	000.72	004.25	0449.2	01.61	01.55	19.4	000.19	000.75	0368.7	00.91	23.9	000.15	000.10	0369.0	00.87	24.0
70190	000.66	003.13	0420.7	02.37	02.27	20.7	000.43	001.20	0339.5	01.87	25.9	000.48	000.37	0348.0	02.25	25.3
70197	003.32	049.76	0366.4	00.55	00.55	19.5	002.29	031.49	0304.6	00.40	24.5	004.24	052.71	0281.9	00.36	23.5
70232	000.99	006.59	0400.8	01.21	01.13	21.4	000.30	000.24	0313.3	01.46	28.2	000.36	000.41	0289.3	01.43	30.5
70260	001.01	009.72	0482.2	00.61	00.58	17.7	000.20	005.99	0412.2	00.23	21.0	000.21	002.62	0415.8	00.48	21.1
70272	000.57	003.39	0426.5	01.15	01.34	20.5	000.40	003.50	0353.5	00.74	24.6	000.53	005.84	0352.6	01.37	24.4
70298	001.42	006.72	0416.7	01.31	01.31	20.5	000.37	001.25	0322.7	00.71	27.2	000.53	001.51	0333.9	01.07	26.2
70358	001.67	006.30	0404.9	01.95	01.75	21.1	000.54	001.42	0313.6	01.18	27.9					
70361	005.73	022.97	0347.0	03.38	03.04	22.1	000.14	010.04	0269.6	02.81	29.1					
70362	000.93	006.34	0447.9	01.47	01.33	19.2	000.85	004.44	0330.0	01.60	26.1					
70366	004.39	055.54	0405.6	01.05	00.97	17.5	002.23	041.30	0340.4	00.61	21.5					
70391	000.91	006.47	0416.9	01.40	01.29	20.6	000.35	000.27	0322.3	01.10	27.4					
70402	000.42	004.92	0501.0	00.91	00.80	17.4	000.15	001.90	0404.8	00.47	21.7					
70416	000.75	004.01	0428.5	02.26	01.55	20.3	000.37	001.46	0329.6	01.88	26.6					
70429	000.97	004.96	0406.3	01.61	01.43	21.2	000.47	000.54	0349.9	01.23	25.2					
70432	001.23	004.92	0384.7	02.74	02.46	22.4	000.37	001.85	0307.8	02.40	28.4					
70479	001.07	004.69	0441.7	01.74	01.48	19.6	000.53	000.57	0362.1	01.41	24.3					
70497	000.48	002.03	0396.9	00.94	00.83	22.1	000.25	000.15	0309.2	00.76	28.6					
70529	001.97	040.19	0469.4	00.62	00.56	16.5	000.96	019.40	0388.3	00.44	21.0					
70532	005.12	060.21	0321.4	02.61	02.53	20.5	003.96	048.39	0250.3	02.67	26.2					
70543	000.80	004.38	0430.8	02.14	01.73	20.1	000.62	003.48	0357.8	01.72	24.3					
70576	001.22	006.11	0399.4	01.61	01.58	21.5	000.48	001.56	0320.1	01.34	27.4					
70577	001.01	003.58	0418.9	01.59	01.40	20.7	000.45	000.30	0314.1	01.39	28.1					
70588	000.95	004.10	0433.9	01.80	01.48	20.0	001.39	013.12	0376.8	00.46	22.1					
70595	000.82	006.97	0451.2	01.79	01.53	19.1	000.29	001.02	0343.2	01.12	25.6					
70607	000.93	003.20	0426.2	01.67	01.37	20.4	000.32	000.43	0316.3	01.13	27.9					
70616	000.88	005.43	0392.2	01.76	01.56	22.0	000.32	000.68	0307.3	01.33	28.7					
70619	001.22	011.03	0374.8	01.68	01.48	22.4	000.43	005.16	0305.3	01.08	28.2					
70645	001.07	004.51	0342.7	01.70	01.34	25.1	000.38	000.10	0265.4	01.14	33.2					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=28   MODEL YR(S)=1975,1976

MAKE=FORD   MODEL=PINTO MUSTANG II

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEO FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50009	001.04	008.78	0507.9	04.37	03.73	16.9	000.94	004.31	0414.6	03.02	20.9	000.91	004.22	0452.8	03.72	19.2
50010	001.32	016.15	0644.4	02.50	02.24	13.2	000.68	003.62	0527.7	01.23	16.6	000.50	002.70	0583.2	01.49	15.1
50023	000.99	006.49	0517.6	05.60	04.76	16.7	000.80	003.53	0390.1	04.43	22.3	000.87	002.57	0448.1	06.02	19.5
50044	001.03	015.87	0516.9	02.72	02.65	16.3	000.63	008.40	0422.5	02.04	20.3	000.43	003.29	0443.9	03.84	19.7
50060	000.99	008.90	0554.7	04.55	04.12	15.5	000.60	002.68	0440.7	03.86	19.8	000.66	003.40	0466.8	03.28	18.7
50065	000.76	006.53	0638.9	01.63	01.45	13.6	000.86	003.93	0516.6	01.03	16.9	000.28	002.68	0528.6	01.45	16.6
50068	001.96	009.99	0649.5	03.69	03.25	13.2	000.60	004.76	0528.3	01.65	16.5	000.35	002.81	0533.2	02.37	16.5
50070	000.98	007.71	0533.0	03.40	03.01	16.2	000.56	002.99	0410.4	02.10	21.3	000.59	001.82	0438.2	03.52	20.0
50076	000.60	006.68	0528.5	03.67	03.22	16.4	000.49	003.90	0421.5	02.68	20.7	000.54	002.57	0432.0	03.89	20.3
50142	001.15	013.06	0630.7	01.88	01.83	13.4	000.51	006.27	0525.5	01.31	16.5	000.39	008.01	0541.4	00.94	16.0
50162	001.31	006.09	0512.4	04.91	04.93	16.9	001.34	002.63	0411.8	03.85	21.1	000.78	002.89	0436.3	03.51	20.0
50219	002.96	008.93	0584.1	02.76	02.68	14.6	000.64	004.07	0630.9	03.35	13.9	000.66	006.71	0699.3	03.38	12.5
50225	001.14	006.00	0501.1	03.96	04.11	17.2	001.58	005.12	0401.9	02.73	21.4	001.18	006.14	0415.4	03.10	20.7
50245	001.27	007.50	0533.8	03.64	03.55	16.1	000.97	002.84	0444.1	02.36	19.6	001.11	030.95	0481.6	00.74	16.6
50328	000.81	006.04	0543.5	03.67	03.32	16.0	000.53	001.96	0436.5	02.94	20.1					
50399	001.44	015.07	0617.1	04.28	04.03	13.7	000.72	009.43	0493.9	02.71	17.4					
50435	000.73	004.97	0523.9	03.93	03.57	16.6	000.72	005.12	0427.8	02.62	20.2					
50438	001.17	007.07	0532.8	03.34	03.12	16.2	000.56	001.85	0441.9	02.50	19.9					
50532	000.84	006.93	0518.6	04.71	03.76	16.7	000.48	001.95	0400.9	03.12	21.9					
50545	003.60	062.03	0447.5	03.28	02.78	15.9	002.68	046.84	0371.6	02.34	19.5					
54042	000.90	008.11	0556.4	04.19	03.57	15.5	000.53	005.41	0454.7	02.44	19.1	000.47	003.75	0452.3	03.08	19.3
56032	004.73	096.66	0571.9	02.28	01.92	12.0	006.22	154.66	0429.6	01.37	12.8	004.35	085.69	0510.4	02.12	13.5
60047	000.89	008.17	0550.8	03.39	02.89	15.7	000.61	002.17	0436.8	03.09	20.1	000.74	002.56	0491.4	04.12	17.8
60072	000.95	007.18	0564.2	03.43	02.94	15.3	000.90	008.40	0438.7	02.91	19.5	000.92	009.28	0456.2	03.06	18.7
60073	001.90	029.87	0575.6	02.53	02.20	14.1	002.10	041.73	0414.9	01.52	18.2	001.78	034.86	0464.9	01.41	16.9
60093	001.02	007.11	0485.4	02.69	02.37	17.7	001.06	005.19	0387.5	01.85	22.2	001.02	001.63	0399.4	03.35	21.9
60097	001.71	031.57	0472.4	01.57	01.38	16.8	001.49	022.15	0370.8	01.32	21.6	000.89	008.09	0385.9	02.02	22.1
60103	001.52	010.44	0514.0	01.60	01.55	16.6	000.99	008.75	0390.0	01.16	21.8	001.30	012.33	0405.4	01.54	20.7
60113	001.65	008.53	0524.8	03.11	02.76	16.3	000.87	002.67	0404.4	02.45	21.6	000.95	004.35	0428.7	01.83	20.2
60191	001.05	018.06	0516.4	03.01	02.91	16.2	000.73	008.47	0436.9	02.16	19.6	000.58	005.59	0436.4	02.35	19.8
60210	001.20	009.86	0516.5	01.67	01.86	16.5	001.51	023.50	0409.5	01.26	19.7	001.19	010.69	0421.0	01.84	20.1
60218	001.73	009.99	0506.6	06.11	05.99	16.6	001.15	004.07	0408.5	04.47	21.2	001.19	004.75	0446.7	05.89	19.4
60254	000.72	007.49	0521.7	02.81	02.73	16.6	000.56	003.16	0412.3	02.46	21.2	000.59	004.86	0448.3	02.12	19.4
60417	001.30	008.20	0469.9	04.08	04.12	17.5	001.00	004.25	0405.6	03.66	21.3					
60504	000.81	006.96	0568.3	01.80	01.67	14.7	000.81	011.66	0470.8	00.92	18.0					
60505	000.96	006.18	0497.5	03.66	03.45	17.4	000.75	008.01	0403.9	02.68	21.2					
60693	004.80	015.61	0496.3	04.23	03.34	16.5	001.39	007.98	0387.6	02.35	21.9					
64050	000.99	009.10	0524.2	02.82	02.63	16.4	000.96	009.59	0410.7	01.88	20.7	000.84	007.85	0404.6	01.77	21.1
66002	000.69	007.24	0540.5	04.07	03.87	16.0	000.35	000.89	0424.6	02.92	20.8	000.33	000.74	0430.3	04.12	20.5

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=29 MODEL YR(S)=1975,1976
MAKE=FORD MERC
MODEL=MAVERICK GRANADA COMET MONARCH

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50113	000.44	003.64	0569.2	04.38	04.12	15.4	000.56	000.56	0450.3	02.86	19.6	000.54	000.77	0489.5	03.01	18.0
50140	001.05	005.42	0653.2	02.25	02.21	13.3	000.61	000.06	0522.7	01.41	16.9	000.93	000.12	0522.6	01.46	16.9
50150	000.53	002.90	0604.2	01.58	02.02	14.5	000.41	000.70	0489.7	01.75	18.0	000.49	003.06	0527.4	02.21	16.6
50199	000.49	001.44	0599.7	02.27	02.14	14.7	000.24	000.04	0463.7	01.74	19.1	000.20	000.10	0479.5	01.74	18.5
50236	001.43	022.63	0570.1	03.73	03.86	14.5	000.99	009.43	0476.8	02.81	17.9	000.49	000.40	0475.2	04.64	18.6
50285	001.62	024.51	0587.1	02.54	02.53	14.1	001.25	016.72	0453.5	02.12	18.3	001.30	016.26	0494.4	02.69	16.9
50296	001.52	019.98	0555.6	02.92	02.74	15.0	001.24	011.16	0450.3	01.81	18.8					
50434	001.62	030.56	0625.9	04.17	01.85	13.1	001.12	014.39	0511.4	01.42	16.5					
50442	000.89	021.41	0568.1	03.95	03.40	14.2	000.60	015.95	0463.4	02.92	18.1					
50446	000.51	002.17	0584.4	07.04	06.07	15.0	000.19	000.08	0472.4	05.02	18.7					
50458	002.15	034.92	0533.4	04.03	03.23	14.5	000.91	009.14	0441.9	03.68	19.3					
50459	002.40	064.66	0506.2	03.18	02.68	14.4	001.99	049.63	0393.6	02.66	18.6					
50538	000.72	001.87	0539.6	02.88	02.31	16.3	000.44	000.36	0414.0	02.46	21.3					
50544	002.63	033.82	0547.4	05.05	04.01	14.6	001.82	018.46	0422.3	03.87	19.4					
50547	000.99	020.38	0576.6	02.11	01.83	14.5	000.77	012.59	0438.5	02.43	19.2					
54009	000.32	002.00	0584.5	04.54	04.27	15.1	000.22	000.03	0450.2	03.59	19.7	000.16	000.03	0458.3	04.00	19.3
54022	002.04	010.91	0523.7	04.20	03.60	16.2	001.69	004.09	0412.7	02.60	20.9	001.44	004.46	0473.3	03.43	18.3
54027	001.72	024.21	0554.6	02.25	02.00	14.8	001.46	014.76	0440.3	01.64	18.9	001.42	010.96	0514.3	01.09	16.5
56024	001.32	031.06	0576.1	04.57	04.69	14.1	001.16	020.09	0452.0	03.45	18.2	001.23	018.87	0531.9	04.83	15.7
56038	000.93	024.13	0595.9	03.91	03.65	13.9	000.59	010.00	0468.6	02.76	18.2					
60003	001.18	001.51	0575.7	01.40	01.26	15.2	000.93	000.24	0448.4	00.83	19.6	001.38	004.49	0483.2	01.08	17.9
60026	001.53	010.80	0556.9	01.49	01.38	15.3	001.22	004.63	0450.0	01.27	19.2	000.93	001.04	0462.5	01.72	19.0
60029	000.77	002.70	0577.8	02.11	01.56	15.2	000.49	000.05	0436.1	01.52	20.3	001.29	002.96	0524.4	02.01	16.6
60036	001.34	006.56	0567.6	02.24	01.54	14.7	000.80	000.81	0449.5	01.52	19.6	000.68	000.46	0488.0	01.62	18.1
60180	001.44	002.74	0494.2	02.35	02.13	17.6	000.69	000.63	0389.5	01.67	22.6	000.63	000.91	0434.0	01.73	20.3
60217	000.96	004.19	0559.6	02.20	02.03	15.6	000.61	000.30	0442.8	01.54	19.9	000.47	000.50	0470.8	01.66	18.7
60225	001.23	002.92	0534.5	01.34	01.42	16.3	000.99	000.27	0414.1	00.66	21.2	000.98	000.20	0418.1	01.06	21.0
60294	001.48	004.35	0557.3	01.10	01.18	15.6	001.16	004.01	0438.7	00.52	19.8	001.96	013.64	0443.3	00.56	18.8
60336	000.90	001.63	0567.3	01.44	01.39	15.5	000.60	001.95	0438.8	00.99	20.0	000.80	001.86	0451.3	01.04	19.4
60441	001.31	002.84	0561.4	01.65	01.51	15.6	001.31	003.45	0441.4	00.86	19.7					
60448	000.71	002.23	0568.6	02.48	02.28	15.4	000.49	000.29	0461.5	01.45	19.1					
60461	000.82	001.91	0538.0	02.36	02.19	16.3	000.75	002.68	0416.1	01.57	21.0					
60508	004.40	035.94	0445.1	05.71	04.64	16.2	004.37	042.45	0353.2	04.32	20.4					
60644	000.97	003.02	0560.7	02.84	02.33	15.6	000.60	000.19	0433.6	01.72	20.3					
60714	000.86	004.48	0573.6	01.52	01.27	15.2	001.19	015.80	0421.5	00.62	19.7					
64005	000.69	001.33	0620.3	03.01	02.56	14.2	000.57	000.98	0440.0	01.51	20.0	000.38	000.13	0559.4	02.00	15.8
64045	001.66	007.41	0552.2	02.04	01.85	15.6	001.19	001.49	0418.7	01.34	20.9	001.37	003.14	0459.6	01.56	18.9
64047	001.46	008.51	0589.7	03.55	03.71	14.6	001.41	008.73	0457.7	02.31	18.6	001.79	010.26	0477.4	03.28	17.8
66040	001.04	002.78	0568.5	04.33	04.01	14.5	000.16	001.91	0539.1	00.77	16.3					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=30 MODEL YR(S)=1975,1976
MAKE=FORD MERC
MODEL=MAVERICK GRANADA COMET MONARCH

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50072	000.99	003.35	0626.7	02.50	02.52	14.0	001.03	005.30	0493.0	00.86	17.6	000.80	000.56	0511.5	03.03	17.2
50160	002.94	074.49	0691.5	00.60	00.P1	10.8	003.32	083.30	0528.7	00.48	13.2	005.14	147.04	0468.7	00.39	12.4
50161	003.23	023.93	0608.9	03.26	02.57	13.5	001.83	006.05	0510.7	03.03	16.9	002.05	007.88	0511.3	03.83	16.7
50198	000.83	003.17	0614.9	02.71	02.55	14.2	000.85	000.37	0489.9	02.76	18.0	000.56	001.70	0527.0	02.33	16.7
50207	001.74	007.04	0605.1	04.27	04.29	13.0	001.23	003.46	0549.3	03.68	15.9	001.66	013.24	0578.4	02.19	14.7
50266	003.55	006.68	0640.0	01.42	01.44	13.8	002.38	001.27	0523.4	00.71	16.6	001.73	000.93	0523.2	00.86	16.7
50291	004.13	062.36	0570.9	02.97	02.94	13.0	003.25	056.77	0459.8	02.48	15.9	004.04	069.28	0421.1	01.64	15.4
50304	002.50	034.74	0664.4	02.24	02.07	12.2	001.56	017.35	0564.0	01.61	14.9					
50312	004.93	023.33	0693.7	01.62	01.61	11.9	001.74	001.90	0565.3	01.39	15.5					
50430	003.01	004.67	0664.4	01.67	01.42	13.0	001.41	000.57	0548.2	01.00	16.0					
50475	001.12	007.77	0635.7	04.06	03.36	13.6	000.91	009.30	0514.4	03.00	16.7					
50495	000.64	010.43	0626.7	04.06	03.43	13.7	000.57	006.91	0522.1	02.28	16.6					
54006	000.95	001.57	0602.8	05.85	05.66	14.6	001.01	000.18	0478.3	04.54	18.4	001.10	000.32	0481.4	04.81	18.3
54007	001.15	006.54	0642.1	02.30	02.14	13.5	000.91	000.43	0528.1	01.70	16.7	000.86	000.89	0555.8	01.50	15.8
54008	000.85	002.71	0654.6	04.07	03.69	13.4	000.55	000.58	0525.8	03.58	16.8	000.56	000.24	0526.2	04.35	16.8
54010	000.71	004.13	0655.2	04.74	04.45	13.4	000.67	001.25	0533.2	03.20	16.5	000.42	000.81	0551.9	03.60	16.0
60041	001.35	002.89	0548.1	03.35	02.74	15.9	001.82	000.14	0434.1	02.75	20.2	001.64	000.20	0461.5	02.88	19.0
60089	001.34	002.95	0546.2	02.89	02.63	16.0	001.31	001.75	0424.9	02.12	20.5	000.91	000.15	0431.0	02.92	20.4
60125	001.88	001.65	0608.5	03.08	02.54	14.4	001.73	000.17	0491.9	02.03	17.8	001.26	000.56	0484.1	02.58	18.1
60163	000.84	003.22	0589.0	03.74	03.51	14.9	000.81	000.20	0497.3	03.60	17.7	000.54	000.78	0509.7	03.41	17.3
60202	001.38	003.93	0533.6	02.55	02.77	16.3	001.36	000.19	0435.1	02.56	20.2	001.37	000.22	0451.2	02.91	19.5
60208	001.53	008.64	0563.8	02.76	02.72	15.2	000.76	000.76	0466.8	02.37	18.9	001.11	005.06	0486.1	02.97	17.8
60290	000.94	003.49	0640.5	04.97	05.05	13.7	000.86	006.26	0520.9	03.35	16.6	000.93	007.79	0518.2	03.47	16.6
60306	001.26	006.03	0601.6	06.53	06.02	14.4	000.92	002.71	0479.4	04.60	18.2	000.68	002.33	0474.6	02.15	18.5
60363	001.45	007.14	0646.2	03.87	03.72	13.4	002.46	014.38	0535.3	02.08	15.7					
60430	001.23	005.86	0626.3	06.62	06.16	13.9	000.61	000.50	0518.7	01.78	17.0					
60435	001.67	003.09	0646.8	02.99	02.73	13.5	001.08	000.50	0512.5	02.26	17.2					
60539	001.19	003.69	0613.6	02.62	02.19	14.2	000.84	001.88	0473.5	01.43	18.5					
60576	001.61	008.33	0569.3	03.65	02.98	15.1	001.55	001.15	0463.7	03.52	18.9					
60577	001.16	008.25	0650.1	04.57	03.73	13.3	001.61	009.49	0522.7	04.31	16.3					
60624	001.22	002.83	0583.0	02.27	01.91	15.0	000.99	000.29	0447.3	01.76	19.7					
60662	001.85	005.32	0589.7	04.04	03.46	14.7	001.05	001.81	0471.5	03.41	18.6					
64022	001.06	005.51	0575.6	05.31	04.36	15.1	000.94	003.42	0450.2	04.16	19.3	000.57	000.24	0489.5	06.05	18.0
66003	003.96	076.03	0581.0	02.37	02.23	12.4	002.71	057.27	0452.7	01.93	16.1	002.35	053.49	0467.4	02.29	15.5
66013	009.31	068.35	0506.7	02.57	02.13	13.8	005.01	043.99	0409.3	02.31	17.9	008.51	052.86	0463.8	03.44	15.5

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=31 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=TORINO MONTEGO COUGAR

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50015	001.48	012.98	0756.4	02.64	02.50	11.3	000.99	004.86	0583.5	02.00	14.9	000.83	005.07	0625.9	02.11	13.9
50019	001.45	014.40	0656.4	02.75	02.24	13.0	001.55	007.05	0517.4	01.47	16.6	001.34	005.52	0596.6	02.08	14.5
50051	001.24	003.91	0705.5	03.15	02.62	12.4	001.93	002.12	0548.0	01.76	15.9	001.09	003.51	0632.0	02.53	13.8
50124	002.00	010.72	0673.2	02.84	02.60	12.7	002.18	003.54	0521.6	01.95	16.6	001.46	009.92	0561.6	02.26	15.2
50127	001.28	011.56	0756.1	03.06	02.80	11.4	000.93	006.63	0613.2	01.83	14.2	000.84	007.32	0669.6	02.14	13.0
50155	000.86	010.67	0784.7	02.23	02.38	11.0	000.77	015.77	0666.5	01.19	12.8	000.65	016.86	0727.5	01.48	11.7
50168	005.23	083.87	0591.9	04.56	04.24	12.0	004.17	063.16	0481.7	02.63	14.9	003.14	048.24	0509.7	03.16	14.9
50177	000.69	015.76	0909.1	02.61	02.55	09.5	000.98	026.08	0695.9	01.60	12.0	000.67	032.15	0702.7	01.75	11.7
50179	001.50	022.86	0747.1	02.19	02.44	11.3	000.81	013.03	0616.8	01.52	13.9	000.91	023.02	0608.5	01.87	13.7
50180	001.45	011.75	0681.9	02.03	02.01	12.6	001.75	008.84	0558.7	01.73	15.3	001.11	026.19	0598.0	01.80	13.8
50232	002.75	024.65	0849.4	01.20	01.12	09.5	001.74	004.42	0724.6	00.78	12.0	002.34	007.12	0726.9	00.81	11.9
50311	001.00	016.99	0792.8	02.32	02.15	10.8	000.81	017.08	0670.8	01.48	12.7					
50347	001.40	019.63	0728.9	02.42	02.32	11.6	001.00	011.06	0581.6	01.37	14.7					
50369	013.01	034.58	0811.2	02.38	02.14	09.8	006.60	020.46	0695.3	01.73	11.7					
50372	003.56	015.46	0753.6	03.64	03.40	11.2	003.01	008.41	0603.4	02.16	14.2					
50439	001.57	006.33	0718.5	06.02	05.71	12.1	001.42	003.47	0572.5	04.04	15.2					
50457	001.50	008.48	0763.3	02.94	02.42	11.3	001.19	004.79	0649.0	01.81	13.4					
50497	001.73	011.52	0699.1	04.67	04.05	12.3	001.14	013.23	0569.5	03.21	14.9					
50507	001.03	015.67	0690.7	03.05	02.49	12.3	000.78	020.00	0591.9	02.21	14.2					
54004	001.49	012.69	0711.6	02.51	02.73	12.1	001.65	005.64	0616.6	01.49	14.1	001.38	004.06	0649.6	01.84	13.4
54039	000.90	027.27	0728.0	03.97	03.52	11.5	000.59	022.82	0568.3	01.89	14.6	000.59	021.05	0610.8	02.31	13.7
56018	003.44	052.00	0665.7	03.27	02.78	11.7	002.39	027.90	0554.3	01.87	14.6	002.04	021.24	0678.0	02.47	12.4
56028	002.87	022.61	0703.5	05.54	04.62	11.9	003.32	010.35	0569.4	03.23	14.9	002.89	004.50	0630.6	04.17	13.7
56035	003.34	014.81	0818.5	01.65	01.71	10.4	004.29	010.50	0666.9	01.04	12.7	004.95	007.29	0677.6	01.11	12.6
60019	000.88	002.39	0669.5	03.18	02.73	12.7	000.77	000.09	0547.4	03.07	16.1	000.72	000.07	0541.5	03.14	16.3
60038	000.88	007.32	0685.1	02.76	02.42	12.7	000.83	003.40	0602.0	03.66	14.5	000.52	000.16	0561.9	03.37	15.7
60062	001.60	028.18	0669.5	06.14	05.62	12.3	001.38	021.62	0554.1	04.57	15.0	001.39	022.72	0575.4	05.11	14.4
60131	002.07	013.50	0619.7	05.07	04.35	13.7	002.06	001.00	0486.6	02.34	17.9	002.91	032.14	0481.0	02.33	16.4
60207	001.29	023.93	0657.2	06.08	05.80	12.7	001.22	023.78	0542.3	04.02	15.2	001.26	030.93	0562.0	04.24	14.0
60297	004.27	055.51	0592.8	05.34	05.47	12.8	003.50	041.93	0495.2	05.04	15.5	004.34	048.65	0503.4	05.44	14.9
60339	000.67	003.96	0702.8	05.25	05.26	12.5	000.92	005.83	0569.2	03.68	15.3	000.89	006.22	0581.5	04.79	14.9
60340	006.62	048.85	0564.9	01.46	01.56	13.4	004.88	024.69	0435.9	01.35	18.1	005.13	030.32	0460.0	01.77	16.9
60362	001.82	027.12	0652.3	03.09	02.91	12.7	001.41	030.29	0530.5	02.19	15.2					
60496	000.98	006.07	0644.5	02.09	01.85	14.1	001.24	001.02	0501.4	01.59	17.5					
60710	001.01	010.03	0691.8	01.95	01.65	12.5	001.06	008.86	0518.5	02.07	16.6					
64007	001.72	023.91	0645.1	04.09	03.69	12.9	001.33	007.56	0521.3	03.06	16.5	001.40	017.79	0554.3	03.99	15.1
66047	016.48	058.26	0649.5	05.55	07.47	11.2	018.27	055.59	0462.6	06.28	14.6					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=32 MODEL YR(S)=1975,1976

MAKE=FORD MODEL=ELITE LTD

	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50079	001.23	023.74	0720.7	04.09	03.91	11.6	000.81	013.33	0563.9	02.86	15.1	001.66	032.36	0566.7	02.84	14.2
50188	001.09	002.66	0738.6	01.68	01.60	11.9	001.11	001.83	0632.1	01.22	13.9	001.02	002.49	0663.3	01.25	13.3
50284	001.00	010.69	0633.7	03.62	03.43	10.4	000.62	005.64	0715.3	01.84	12.2	001.11	005.41	0673.4	01.57	12.9
50342	000.93	008.48	0810.6	03.78	03.79	10.7	000.37	002.16	0658.1	02.86	13.4					
50354	001.96	007.62	0763.0	02.91	02.78	11.4	002.50	002.77	0605.2	01.97	14.4					
50427	001.16	012.85	0750.6	02.55	02.15	11.5	000.55	005.69	0618.3	01.87	14.1					
50448	005.50	114.39	0569.7	07.07	06.21	11.6	003.84	089.24	0469.4	04.99	14.3					
50451	001.55	023.36	0752.0	03.68	03.11	11.2	000.92	004.62	0629.2	02.58	13.9					
50494	004.74	037.36	0622.6	04.26	03.70	12.7	001.83	026.72	0504.8	02.20	16.0					
50502	001.03	018.06	0820.3	02.52	02.04	10.4	000.67	011.29	0672.4	01.64	12.8					
50528	000.86	005.97	0695.6	02.96	02.34	12.5	001.03	003.43	0578.5	02.22	15.1					
50559	001.83	008.65	0753.5	04.13	03.35	11.5	001.24	004.75	0591.7	05.04	14.7					
54015	002.18	026.65	0674.7	08.94	07.80	12.3	002.29	021.40	0534.3	07.29	15.4	001.77	014.30	0578.1	09.80	14.6
54029	001.81	012.55	0806.5	08.32	07.20	10.7	001.04	008.54	0666.8	06.27	13.0	000.99	006.14	0622.6	07.14	14.0
54041	001.33	040.19	0764.9	04.61	04.07	10.7	001.20	031.16	0606.6	03.51	13.4	000.96	031.86	0582.6	02.71	13.9
60042	001.12	008.93	0719.7	02.58	02.18	12.0	001.15	013.70	0544.9	02.46	15.6	001.29	017.83	0513.7	03.14	16.2
60116	001.73	005.90	0829.9	01.20	01.08	10.5	000.94	001.96	0618.8	00.85	14.2	000.68	000.93	0596.1	01.81	14.6
60159	001.09	003.70	0723.7	04.99	05.41	12.1	001.36	005.65	0538.3	04.00	16.1	001.57	008.80	0558.2	03.27	15.4
60168	001.55	022.25	0619.5	04.85	05.02	13.4	001.55	007.97	0504.1	04.23	17.0	002.20	039.78	0507.1	04.41	15.4
60170	001.29	006.62	0593.3	05.38	04.98	14.6	002.19	003.27	0489.2	03.96	17.7	001.65	017.31	0534.2	03.54	15.6
60175	000.75	005.67	0673.9	02.01	01.85	12.9	000.54	000.06	0503.4	01.82	17.6	000.53	000.14	0534.9	01.96	16.5
60252	001.01	009.38	0662.3	01.49	01.62	13.0	001.21	000.41	0532.4	01.54	16.5	000.62	000.55	0549.1	01.99	16.1
60261	001.16	008.61	0692.4	02.06	02.00	12.5	001.02	002.91	0557.4	01.73	15.7	000.89	002.33	0575.5	01.99	15.2
60304	009.76	034.30	0619.9	02.67	02.56	12.6	002.91	025.22	0498.8	02.40	16.2	002.98	071.59	0487.7	01.88	14.3
60346	000.55	003.84	0783.9	02.07	02.06	11.2	001.00	019.04	0600.7	01.25	14.0	000.57	007.38	0597.1	01.80	14.5
60442	001.11	006.52	0694.2	02.18	01.86	12.5	000.99	000.14	0541.7	02.04	16.3					
60458	001.14	016.39	0690.6	03.46	03.19	12.3	000.85	009.09	0550.7	03.20	15.6					
60467	000.69	003.09	0763.7	01.84	01.63	11.5	000.90	009.69	0599.9	01.38	14.4					
60470	001.64	017.02	0708.5	04.02	03.57	12.0	001.50	017.82	0555.9	03.66	15.1					
60474	000.94	007.43	0691.8	03.33	02.95	12.6	000.77	000.15	0521.4	02.68	16.9					
60484	002.56	028.49	0653.9	02.05	01.92	12.5	001.28	002.54	0511.9	01.88	17.1					
60543	000.76	004.57	0772.5	02.45	02.12	11.3	000.45	000.26	0604.0	02.23	14.6					
60571	001.36	014.48	0639.9	05.16	04.05	13.3	001.05	007.88	0512.4	04.22	16.8					
60589	001.76	008.16	0708.0	03.38	03.05	12.2	002.07	003.75	0566.9	02.54	15.3					
60685	002.46	033.87	0623.2	06.43	05.27	13.0	002.27	031.98	0498.2	10.56	16.0					
60687	001.65	019.91	0637.4	04.17	03.25	13.2	001.14	011.50	0500.8	03.34	17.0					
60700	001.80	009.21	0678.4	04.46	03.52	12.7	001.56	004.57	0515.1	03.13	16.8					
64036	001.60	012.56	0664.9	02.60	02.31	12.9	000.71	001.57	0504.6	02.66	17.4	000.72	000.94	0537.7	02.38	16.4
64038	001.56	013.60	0666.5	04.71	04.00	12.8	001.27	005.93	0521.2	04.44	16.6	001.40	005.02	0605.9	05.52	14.3

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=33 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=FORD ELITE MERC LTD

	------------FTP RESULTS------------						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50017	000.69	012.54	0638.0	01.91	01.79	13.4	000.59	014.44	0634.3	01.84	13.5	000.73	016.17	0703.1	02.24	12.1
50029	001.22	008.60	0612.1	02.54	02.19	10.7	001.79	002.88	0682.7	01.58	12.8	001.49	007.02	0797.5	02.04	10.9
50055	000.51	012.40	0976.1	02.46	02.12	08.9	000.68	006.18	0788.4	01.79	11.1	000.65	006.23	0795.0	01.92	11.0
50084	002.01	014.57	0871.7	02.40	02.20	09.8	000.57	007.56	0699.0	01.58	12.4	000.98	014.12	0780.6	02.37	11.0
50086	001.66	023.16	0924.0	03.13	02.83	09.2	001.52	014.25	0726.5	02.32	11.8	000.74	018.46	0710.5	02.85	12.0
50115	001.37	011.41	0920.1	03.54	03.35	09.4	000.46	003.27	0731.5	02.70	12.0	000.63	003.12	0683.2	04.30	12.9
50134	002.75	008.91	0841.2	05.29	04.71	10.3	004.09	004.79	0673.0	03.06	12.8	004.34	005.94	0694.3	03.88	12.4
50143	001.04	007.44	0753.6	03.31	03.15	11.5	017.65	004.43	0616.6	03.27	13.0	001.00	025.27	0656.5	01.99	12.7
50158	011.57	024.32	0722.0	02.21	02.51	11.1	012.34	019.80	0644.4	01.70	12.4	002.47	038.35	0652.9	01.30	12.3
50185	000.94	012.53	0830.1	04.64	04.41	10.4	000.89	006.08	0694.7	02.51	12.5	000.83	005.94	0730.9	03.34	11.9
50191	001.00	006.03	0877.7	02.22	02.14	10.0	001.66	002.68	0729.5	01.36	12.0	001.05	003.10	0762.3	01.68	11.5
50202	001.97	018.09	0947.1	03.03	02.94	09.0	001.13	011.15	0796.7	02.10	10.8	001.13	030.88	0836.4	01.47	10.0
50213	001.02	024.60	1065.1	02.99	03.42	08.0	000.62	021.92	0868.4	02.10	09.8	000.60	041.80	0790.8	01.91	10.3
50276	001.27	017.66	0917.8	02.21	02.28	09.3	000.49	011.63	0794.6	01.52	10.9	000.68	011.48	0786.3	01.76	11.0
50278	000.61	017.10	1023.4	02.54	02.59	08.4	000.45	013.05	0804.6	01.68	10.7	001.22	022.47	0906.2	01.51	09.4
50289	001.05	027.88	0856.3	04.13	04.06	09.8	000.82	026.34	0703.9	02.07	11.9	000.50	018.74	0721.1	02.75	11.8
50302	007.75	021.63	0738.5	03.76	03.48	11.1	008.19	011.97	0593.2	03.66	13.9					
50316	001.11	012.76	0842.0	05.75	05.51	10.2	001.25	006.03	0694.0	03.28	12.5					
50323	000.70	018.52	0908.3	02.12	02.04	08.9	000.31	008.11	0803.0	01.48	10.9					
50356	014.36	241.49	0862.0	00.97	00.90	06.8	010.59	244.81	0660.0	00.69	08.2					
50362	001.04	009.70	0923.9	02.20	02.10	09.4	000.96	006.06	0763.3	01.52	11.4					
50534	004.37	016.97	0624.9	04.94	03.87	10.2	001.39	020.57	0633.4	02.75	13.2					
50551	001.05	008.27	0855.9	02.28	01.91	10.2	000.61	011.38	0672.7	01.59	12.8					
54016	001.11	009.33	0823.1	04.09	03.90	10.5	001.18	007.49	0680.8	02.32	12.7	000.65	004.65	0797.7	03.62	11.0
56031	000.87	021.34	0943.2	04.77	04.22	09.3	000.47	009.31	0778.0	03.39	11.2	000.80	032.67	0857.2	02.29	09.7
60034	000.88	006.64	0783.6	01.79	01.63	11.1	000.79	000.31	0603.7	01.67	14.6	001.00	002.35	0666.2	02.25	13.2
60061	000.93	007.96	0718.9	02.39	02.16	12.1	001.08	000.66	0589.2	02.39	14.9	000.76	000.82	0604.9	02.44	14.6
60066	002.40	009.05	0876.7	02.57	02.29	09.9	000.48	003.11	0688.7	02.28	12.8	000.67	003.79	0724.3	02.06	12.1
60069	000.52	002.85	0718.0	07.88	06.59	12.2	000.53	004.41	0572.8	06.13	15.3	000.44	001.33	0626.2	07.22	14.1
60074	000.93	028.60	0792.8	00.96	00.83	10.5	002.39	042.29	0523.9	00.70	14.8	001.50	034.69	0625.2	01.01	13.0
60092	000.84	004.97	0748.0	02.33	02.10	11.7	000.93	000.27	0580.1	01.87	15.2	000.69	000.51	0577.0	01.91	15.3
60301	001.68	016.33	0808.4	01.76	01.77	10.6	001.36	008.13	0627.8	01.83	13.8	001.35	016.17	0651.6	01.83	13.0
60447	000.53	008.14	0970.5	00.95	00.82	09.0	000.30	003.29	0737.4	00.76	11.9					
60604	001.23	009.83	0695.1	02.20	01.51	12.4	001.29	003.92	0532.9	01.96	16.3					
60614	001.55	007.63	0741.6	05.86	05.22	11.7	001.63	003.54	0505.4	04.48	15.4					
60619	000.63	003.41	0718.4	02.10	01.85	12.2	000.69	003.13	0556.8	02.14	15.7					
60706	000.69	002.93	0765.9	07.17	05.76	11.5	000.53	007.57	0583.4	05.94	14.9					
64024	000.94	004.68	0727.4	01.94	01.63	12.0	000.82	007.10	0564.3	01.62	15.3	000.82	006.17	0596.6	02.56	14.6
66032	001.38	009.43	0731.4	03.60	03.23	11.8	001.24	000.14	0544.2	02.38	16.2	001.22	000.16	0578.3	02.69	15.2

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=34 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

	------------FTP RESULTS------------						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70075	001.85	032.47	0466.7	07.06	06.35	16.3	002.31	024.00	0378.5	05.52	20.9	001.44	011.89	0417.2	08.16	20.1
70144	001.96	027.31	0469.3	01.67	01.54	16.5	001.79	016.17	0368.1	00.95	22.2	001.63	014.95	0389.7	01.46	21.2
70148	000.66	003.42	0490.0	03.29	03.19	17.8	000.37	000.09	0391.0	02.18	22.6	000.53	001.32	0430.2	02.03	20.4
70173	003.68	007.08	0452.4	01.66	01.67	15.6	003.01	042.43	0367.8	01.29	20.0	002.97	047.38	0363.9	01.17	19.8
70192	001.49	023.67	0483.1	08.12	07.57	16.9	001.20	011.57	0397.2	07.13	21.2	001.65	019.46	0408.5	06.47	20.0
70215	000.90	009.04	0470.7	02.80	02.73	18.2	000.79	004.30	0409.1	03.76	21.2	001.85	025.80	0394.3	03.52	20.1
70230	001.38	011.49	0459.6	01.64	01.59	18.4	001.56	010.67	0361.1	00.93	23.2	000.54	003.56	0399.6	01.53	21.8
70263	001.02	009.41	0489.6	01.84	01.77	17.5	000.69	004.92	0390.9	00.56	22.1	000.77	006.23	0360.1	01.23	23.6
70275	001.78	021.51	0513.5	01.54	01.49	16.0	001.53	011.39	0407.5	00.63	20.6	001.25	010.05	0427.1	00.77	19.8
70293	001.06	010.03	0524.6	02.09	01.58	16.3	000.47	000.44	0417.8	01.06	21.1	000.52	000.27	0413.3	01.31	21.4
70314	002.63	026.25	0496.7	01.65	01.70	16.2	002.37	029.52	0378.6	00.93	20.5	003.44	056.65	0344.4	00.61	20.0
70349	001.13	012.06	0502.6	01.97	01.76	16.9	001.37	014.65	0381.2	00.98	21.7					
70353	000.97	004.60	0561.2	01.66	01.54	15.5	002.05	025.26	0418.0	00.58	19.1					
70369	000.61	008.26	0550.8	08.30	07.69	15.7	001.34	012.71	0413.3	05.34	20.3					
70374	004.21	074.51	0435.9	01.81	01.71	15.7	003.49	055.49	0342.9	01.28	20.1					
70395	002.45	043.08	0458.8	02.34	02.19	16.6	002.60	031.36	0365.1	01.87	21.0					
70403	000.64	004.37	0509.0	01.80	01.67	17.1	000.49	003.46	0409.5	00.72	21.3					
70413	001.34	018.79	0516.1	02.29	02.09	16.1	001.37	031.17	0407.5	01.70	19.2					
70424	000.80	006.79	0512.7	02.41	02.23	16.9	001.39	012.58	0396.1	01.19	21.1					
70435	000.77	008.93	0486.5	02.23	02.06	17.6	000.32	000.15	0374.3	02.11	23.6					
70443	003.71	039.94	0448.5	02.17	01.91	17.0	002.47	016.21	0356.1	01.15	22.8					
70453	004.41	056.32	0446.9	01.41	01.29	16.1	005.19	057.56	0330.5	00.91	20.3					
70507	001.17	014.71	0501.8	01.47	01.24	16.8	002.07	034.03	0368.6	00.73	20.7					
70508	002.63	042.01	0458.9	08.40	07.02	16.6	002.79	036.04	0360.9	06.14	20.8					
70519	001.28	011.50	0514.2	01.91	01.55	16.5	000.77	005.69	0400.8	00.81	21.5					
70531	001.24	006.48	0479.8	01.88	01.69	18.0	000.60	000.51	0379.2	01.35	23.2					
70569	001.51	014.68	0488.9	01.08	00.96	17.2	002.60	029.55	0345.5	00.42	22.2					
70580	001.78	023.66	0483.7	05.82	04.87	16.8	002.61	038.67	0362.6	03.93	20.5					
70581	002.92	042.39	0458.3	01.35	01.13	16.6	002.22	027.94	0501.7	01.52	16.0					
70583	000.73	002.77	0528.3	02.99	02.51	16.6	000.78	002.80	0416.2	01.52	21.0					
70611	001.34	014.81	0532.3	12.39	10.60	15.8	001.28	010.54	0406.2	08.77	20.8					
70655	003.83	050.26	0458.2	01.96	01.65	16.1	002.69	026.17	0411.3	01.61	19.2					
70663	001.94	036.25	0546.7	01.21	00.99	14.5	001.23	025.93	0406.6	00.51	19.7					
76004	002.00	034.65	0456.8	02.30	01.89	17.1	002.20	019.21	0373.3	01.38	21.6	001.04	007.78	0384.3	01.67	22.2
76013	004.24	056.94	0447.0	05.08	04.23	16.1	003.81	042.13	0358.6	04.07	20.3	003.33	032.75	0420.1	05.57	18.4

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                              APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS
CELL NO=35    MODEL YR(S)=1977
   MAKE=FORD MERC                 MODEL=MAVERICK GRANADA COMET MONARCH
          -------------FTP RESULTS-------------     -HTS FED SHORT CYCLE RESULTS-      -DEQ FED SHORT CYCLE RESULTS-
EPA NO    HC     CO      CO2    NOX    NOXC  MPG     HC     CO      CO2    NOX   MPG     HC     CO      CO2    NOX   MPG

70003   001.50 019.46 0519.9 00.96 00.95 16.0   000.35 003.19 0449.6 00.76 19.5   000.55 003.49 0485.7 01.08 18.0
70004   000.62 002.83 0643.5 02.89 02.97 13.7   000.26 000.10 0518.0 02.05 17.1   000.31 000.04 0530.4 02.23 16.7
70005   000.57 003.10 0676.3 03.71 03.70 13.0   000.29 000.09 0540.3 02.71 16.4   000.35 000.04 0536.4 02.72 16.5
70006   000.70 003.70 0615.5 04.01 03.60 14.2   000.40 000.03 0452.5 03.29 19.5   000.45 000.03 0510.2 02.88 17.3
70010   002.25 021.57 0537.4 00.95 00.83 15.3   000.63 003.62 0473.1 00.94 18.4   000.56 003.39 0468.6 01.00 18.6

70025   003.09 037.35 0540.2 01.93 01.61 14.6   001.66 013.17 0455.7 01.78 18.4   001.68 009.79 0443.9 02.45 19.1
70052   001.21 015.43 0592.3 02.36 02.16 14.3   000.58 005.39 0493.9 01.89 17.6   000.33 001.85 0469.5 02.16 18.7
70067   009.08 104.37 0450.3 01.38 01.34 13.8   007.42 078.05 0360.8 01.17 17.5   007.82 090.15 0340.4 00.99 17.5
70143   003.38 032.17 0479.8 01.52 01.54 16.4   001.76 015.03 0405.1 00.93 20.4   000.64 003.42 0432.0 01.21 20.2
70164   000.71 003.33 0556.4 01.69 01.61 15.7   000.43 000.07 0455.8 01.72 19.4   000.45 000.12 0494.1 01.61 17.9

70174   003.29 061.43 0641.3 00.93 00.54 11.9   003.58 059.33 0512.3 00.43 14.4   006.57 064.96 0389.2 00.77 17.3
70176   002.70 037.31 0518.7 01.41 01.43 15.1   002.43 021.68 0420.3 01.16 19.2   002.09 019.95 0430.1 01.64 18.9
70194   007.89 086.15 0434.9 00.98 00.93 14.9   006.28 048.05 0380.7 00.77 18.6   009.36 132.76 0316.5 00.20 16.0
70201   000.86 002.66 0569.8 01.79 01.77 14.9   000.54 000.04 0478.1 01.35 18.5   000.52 000.10 0507.0 01.65 17.4
70223   004.17 048.94 0495.8 04.17 04.45 15.1   003.75 035.19 0400.5 03.01 19.0   003.35 027.56 0442.4 04.15 17.9

70237   004.87 048.57 0440.6 01.71 01.55 16.7   003.41 023.58 0370.0 01.73 21.2   003.42 019.14 0402.6 01.73 20.0
70244   001.64 014.47 0514.2 02.13 02.01 16.4   000.84 002.37 0429.2 01.78 20.4   000.80 001.72 0436.6 02.51 20.1
70261   002.91 034.72 0498.1 01.45 01.41 15.8   001.51 010.74 0416.0 01.20 20.3   002.17 016.64 0386.2 01.44 21.0
70266   014.27 109.04 0413.1 01.07 01.01 14.1   012.08 073.05 0332.3 00.76 18.3   008.86 087.21 0321.0 00.68 18.2
70268   003.54 036.42 0495.5 00.97 01.04 15.7   002.26 016.70 0411.9 00.55 19.9   001.44 009.71 0373.3 01.06 22.6

70337   001.43 024.87 0644.0 00.50 00.47 12.9   001.29 024.69 0489.8 00.25 16.6
70376   002.42 021.27 0560.3 05.91 05.96 14.7   003.02 016.80 0451.4 04.23 18.2
70392   000.95 006.70 0576.7 02.11 01.97 15.0   000.53 000.27 0473.7 01.88 18.6
70408   003.69 039.21 0503.3 01.48 01.33 15.4   002.26 012.95 0436.4 00.83 19.1
70420   000.94 004.04 0598.1 01.55 01.39 14.6   000.59 000.06 0478.4 01.10 18.5

70484   001.14 008.29 0553.7 01.90 01.64 15.5   000.89 001.76 0461.9 01.19 19.0
70492   002.01 017.17 0532.6 03.83 03.24 15.7   000.66 005.03 0429.1 03.03 20.2
70553   001.16 013.93 0563.4 01.76 01.57 15.1   000.48 000.14 0442.6 01.89 20.0
70566   001.02 005.91 0562.7 01.91 01.69 15.4   001.23 003.60 0444.6 01.74 19.5
70629   001.77 008.61 0493.0 02.52 02.01 17.3   001.46 008.51 0375.3 01.42 22.5

70631   000.90 004.65 0620.1 01.19 00.94 14.1   000.97 006.59 0468.4 00.78 18.4
70664   002.64 030.88 0524.3 02.89 02.37 15.3   002.01 014.12 0424.8 02.24 19.6
74006   002.15 019.34 0516.2 01.42 01.34 16.0   000.90 003.84 0430.1 01.33 20.2   000.36 001.00 0459.0 02.05 19.2
74014   002.96 030.51 0541.2 01.11 00.94 14.8   002.43 023.04 0417.1 00.51 19.2   000.59 003.74 0645.6 02.97 13.6
76008   005.63 064.44 0501.5 01.30 01.09 14.3   004.08 034.87 0406.5 00.92 18.7   003.64 030.37 0473.7 01.14 16.6

76009   005.08 037.47 0452.6 01.27 01.08 15.6   001.79 010.94 0412.3 00.96 20.4   001.62 011.81 0473.6 01.49 17.8
76010   010.75 089.65 0448.6 01.73 01.55 14.2   006.96 048.39 0358.5 01.67 19.4   008.37 064.01 0403.9 01.90 16.7
76021   004.27 099.09 0509.6 03.55 02.99 12.0   002.99 062.37 0489.2 02.96 14.9   002.98 057.36 0534.2 03.50 14.0
76047   002.26 029.38 0549.7 04.62 03.79 14.7   002.50 029.44 0418.3 03.09 18.8
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                              APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS
CELL NO=36    MODEL YR(S)=1977
   MAKE=FORD MERC                 MODEL=T-BIRD LTD-II COUGAR
          -------------FTP RESULTS-------------     -HTS FED SHORT CYCLE RESULTS-      -DEQ FED SHORT CYCLE RESULTS-
EPA NO    HC     CO      CO2    NOX    NOXC  MPG     HC     CO      CO2    NOX   MPG     HC     CO      CO2    NOX   MPG

70065   000.88 002.25 0675.4 01.63 01.40 13.0   001.71 000.04 0517.5 01.43 17.0   001.13 000.64 0547.2 01.04 16.1
70069   000.84 013.01 0712.5 01.02 00.94 12.1   001.08 010.99 0552.7 00.71 15.5   000.74 003.29 0598.2 00.98 14.6
70070   001.67 026.06 0561.7 07.38 06.69 14.0   001.28 012.96 0473.1 05.51 17.8   001.09 005.97 0492.3 06.16 17.6
70086   001.03 012.83 0745.8 00.53 00.52 11.5   001.35 017.41 0587.3 00.31 14.3   003.52 045.55 0585.4 00.21 13.3
70103   004.32 060.77 0534.9 01.49 01.29 13.8   002.32 022.68 0457.5 00.54 17.7   001.77 017.00 0456.0 00.49 18.2

70155   003.99 063.65 0547.0 02.08 01.96 13.4   003.23 044.95 0463.7 01.72 16.3   002.99 039.24 0492.2 01.96 15.7
70162   000.53 003.54 0665.2 01.55 01.50 13.2   000.33 000.05 0523.5 01.33 16.9   000.31 001.86 0568.3 01.09 15.5
70185   012.88 157.89 0441.3 01.04 01.04 12.1   012.56 120.67 0353.9 00.80 15.2   010.71 122.26 0398.8 00.86 14.2
70196   001.82 020.77 0549.7 01.36 01.29 15.1   000.28 000.83 0451.2 01.41 19.6   002.99 030.46 0462.4 00.90 17.1
70200   002.79 029.12 0529.7 01.46 01.46 15.2   001.34 004.58 0448.4 01.10 19.3   002.28 021.93 0442.6 01.09 18.3

70241   000.44 004.07 0663.9 01.19 01.11 13.2   000.60 008.33 0560.6 01.02 15.4   000.61 009.49 0578.7 01.54 14.9
70258   002.38 039.00 0547.5 01.70 01.66 14.4   001.47 015.90 0448.2 01.47 18.6   001.22 013.31 0466.9 01.99 18.0
70292   007.18 084.55 0500.4 01.40 01.62 13.5   006.35 054.97 0406.8 01.10 17.3   006.02 049.40 0422.4 01.28 17.1
70327   000.87 009.42 0585.0 02.17 01.98 14.7   000.24 000.80 0463.5 01.67 19.1
70345   001.56 026.57 0728.9 00.92 00.89 11.4   001.18 012.14 0559.8 00.74 15.2

70393   003.86 072.30 0561.8 05.20 04.87 12.9   003.30 053.48 0471.9 04.57 15.7
70411   001.24 029.51 0803.1 00.74 00.67 10.4   001.34 020.60 0636.1 00.49 13.2
70417   007.45 103.42 0483.0 02.32 02.53 13.3   005.77 072.35 0403.6 02.06 16.6
70418   002.29 026.98 0562.9 02.75 02.43 14.4   002.40 020.75 0464.7 02.00 17.6
70419   005.54 101.78 0545.7 02.21 01.97 12.3   003.93 060.71 0435.4 02.00 16.3

70440   003.75 062.41 0567.5 01.40 01.28 13.1   002.61 035.42 0452.8 01.02 17.2
70488   003.47 060.33 0536.8 01.81 01.68 13.8   002.90 042.74 0422.6 01.44 17.8
70490   002.53 039.60 0561.4 02.43 02.23 13.6   001.70 017.66 0493.6 02.38 16.8
70500   000.50 005.10 0687.1 01.06 00.94 12.7   000.72 008.36 0539.4 00.92 16.0
70528   000.71 003.90 0663.5 01.69 01.47 12.8   000.51 000.60 0560.3 01.11 15.8

70549   000.80 004.25 0672.7 01.66 01.41 13.0   001.26 008.15 0633.2 01.66 13.6
70555   000.51 001.44 0599.2 01.63 01.42 14.7   000.40 000.05 0480.3 01.27 18.4
70560   000.46 005.30 0654.9 01.09 00.97 13.3   000.49 001.19 0508.7 00.80 17.3
70578   000.42 003.17 0671.7 01.21 01.07 13.1   000.33 000.10 0515.9 00.91 17.1
70587   004.66 006.88 0502.9 01.59 01.30 14.2   003.37 037.07 0415.7 02.19 18.3

70591   001.04 019.01 0623.8 01.97 01.62 13.5   000.35 006.00 0465.8 00.87 18.6
70596   000.52 005.32 0805.9 01.46 01.24 10.9   000.66 010.44 0617.6 01.04 13.9
70605   002.41 037.44 0573.6 01.54 01.29 13.5   001.36 013.83 0479.9 01.05 17.5
70643   006.08 082.40 0536.9 01.05 00.83 12.9   004.58 055.40 0413.9 00.78 17.2
70648   000.42 001.59 0783.6 01.21 00.94 11.3   000.38 004.20 0603.8 00.65 14.5
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APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=38   MODEL YR(S)=1977

MAKE=FORD MERC   MODEL=FORD T-BIRD LTD-II MERC COUGAR

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70110	000.38	001.27	0704.1	02.25	02.31	12.5	000.57	004.45	0537.0	02.05	16.2	000.41	007.26	0579.5	01.54	15.0
70113	000.71	003.18	0705.9	01.56	01.65	12.4	000.85	004.79	0502.3	01.07	17.3	001.33	019.69	0565.9	00.58	14.8
70170	001.73	032.26	0807.2	03.92	03.88	10.3	001.83	021.08	0679.5	02.52	12.3	000.82	011.81	0704.1	02.07	12.2
70222	000.46	002.89	0663.6	01.47	01.60	12.9	000.45	003.51	0607.5	01.62	14.4	000.40	002.36	0591.9	01.63	14.9
70225	000.61	003.35	0726.1	06.32	06.01	12.1	000.64	000.05	0564.8	04.61	15.6	000.42	001.07	0624.0	02.84	14.1
70226	000.42	002.07	0709.6	01.52	01.43	12.4	000.29	000.05	0581.2	01.20	15.2	000.43	000.67	0571.6	00.68	15.4
70242	000.51	006.16	0769.4	01.78	01.84	11.4	000.67	009.41	0576.2	01.28	15.0	000.52	005.77	0596.5	01.74	14.6
70250	000.71	005.82	0728.3	01.35	01.51	12.0	000.93	006.41	0538.1	01.09	16.1	000.87	006.24	0504.9	01.80	17.1
70254	000.51	002.22	0704.4	01.45	01.54	12.5	000.57	001.17	0580.4	01.36	15.2	000.57	006.23	0602.9	01.62	14.4
70309	000.49	002.75	0755.2	01.54	01.46	11.7	000.53	004.82	0580.5	01.22	15.0	000.59	005.07	0613.5	01.73	14.2
70315	008.49	087.17	0509.5	04.64	04.65	13.2	008.30	059.27	0410.6	03.95	16.7	010.22	079.24	0409.0	03.25	15.7
70323	000.65	004.40	0724.6	01.44	01.33	12.1	000.50	000.40	0552.4	01.03	16.0					
70331	000.52	001.66	0740.6	01.33	01.26	11.9	000.58	005.62	0602.3	00.87	14.5					
70363	000.80	005.88	0754.9	01.51	01.34	11.6	000.93	010.28	0567.7	01.08	15.1					
70380	014.07	018.76	0801.3	01.96	01.81	10.1	002.74	007.08	0571.9	00.85	15.0					
70421	000.35	001.61	0769.1	01.84	01.61	11.5	000.44	003.96	0620.0	01.63	14.1					
70422	000.36	001.68	0704.3	02.08	01.68	12.5	000.41	001.62	0551.9	02.31	15.9					
70423	000.84	005.05	0717.5	07.97	07.38	12.2	000.65	003.91	0561.5	05.31	15.5					
70425	000.38	000.87	0702.4	02.23	02.10	12.6	000.30	000.02	0559.6	01.55	15.8					
70450	000.45	002.31	0767.3	02.14	01.85	11.5	000.44	002.82	0605.4	01.57	14.5					
70480	000.82	001.98	0666.6	02.21	01.90	12.8	000.94	002.34	0753.0	02.92	11.7					
70493	000.32	001.34	0727.7	02.65	02.23	12.1	000.58	006.93	0587.0	02.04	14.8					
70503	000.84	002.53	0837.7	02.96	02.58	10.5	000.87	002.43	0555.5	02.02	15.8					
70504	000.33	005.01	0874.3	00.77	00.67	10.0	000.57	005.63	0640.9	00.54	13.6					
70517	000.88	009.41	0760.5	01.62	01.32	11.4	000.68	009.48	0591.9	01.27	14.6					
70544	000.99	017.51	0696.5	01.73	01.43	12.2	001.52	024.55	0537.4	01.53	15.3					
70571	000.98	009.99	0743.9	00.79	00.66	11.6	001.21	010.14	0589.7	00.51	14.6					
70610	000.41	001.34	0639.5	03.25	02.66	13.8	000.36	002.51	0494.0	03.71	17.8					
70628	000.41	001.64	0690.4	02.49	01.97	12.8	000.41	000.02	0535.0	01.74	16.5					
70646	002.06	016.30	0686.8	02.04	01.62	12.3	001.66	010.58	0524.6	01.75	16.2					
70647	000.67	002.67	0700.9	01.27	01.00	12.5	001.03	004.43	0519.3	00.83	16.7					
70651	000.55	002.86	0763.2	02.03	01.66	11.5	000.64	005.77	0579.0	01.50	15.0					
70660	000.69	001.97	0709.1	02.38	01.94	12.4	000.81	007.24	0543.7	01.53	15.9					
70662	000.56	002.84	0603.0	01.86	01.48	13.3	000.41	000.06	0499.7	01.23	17.7					
70665	000.62	001.21	0710.6	04.66	03.94	12.4	000.51	000.01	0534.3	03.24	16.5					
74004	000.39	004.20	0756.3	01.38	01.26	11.6	000.47	008.02	0579.3	01.19	14.9	000.42	005.89	0570.1	01.48	15.3
74015	000.32	003.08	0726.3	01.15	01.02	12.1	000.50	004.41	0506.7	01.37	17.2	000.46	000.94	0618.6	02.53	14.3
74018	000.51	001.67	0694.7	01.79	01.74	12.7	000.27	002.05	0517.9	01.20	17.0	000.31	000.03	0573.7	01.63	15.[illegible]
74021	000.66	008.71	0733.9	01.76	01.59	11.8	000.56	004.04	0570.6	01.53	15.3	000.95	011.23	0570.4	01.43	15.[illegible]

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=39   MODEL YR(S)=1975,1976

MAKE=CHEV   MODEL=VEGA

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50033	000.89	011.11	0515.9	01.15	01.02	16.5	000.29	002.98	0442.9	00.78	19.8	001.18	009.46	0481.7	00.89	17.7
50083	003.09	054.31	0331.8	01.89	01.69	20.8	002.94	044.63	0259.8	00.86	26.1	003.18	045.06	0278.8	01.15	24.7
50102	001.22	033.23	0439.4	01.39	01.51	17.9	001.46	041.55	0312.5	00.63	23.2	001.60	050.37	0302.7	00.80	22.9
50105	000.86	008.63	0437.5	01.35	01.56	19.5	000.27	002.69	0339.7	00.76	25.7	001.43	039.80	0292.3	00.70	24.7
50109	000.64	011.8[illegible]	0422.7	01.41	01.30	20.0	000.48	008.24	0318.1	00.67	26.7	000.58	008.82	0354.4	00.87	24.0
50116	000.75	009.42	0404.3	03.48	03.26	21.0	000.64	004.20	0325.2	02.54	26.6	001.64	022.63	0325.8	02.85	24.2
50138	003.72	073.89	0357.7	01.18	01.21	18.3	003.26	061.29	0284.5	00.74	22.7	003.11	063.10	0285.1	00.82	22.5
50170	001.12	012.14	0467.9	01.62	01.50	18.1	001.26	020.90	0354.8	00.88	22.6	001.96	042.85	0291.8	01.00	24.3
50174	002.00	037.78	0412.0	01.69	01.69	18.6	001.35	031.29	0307.7	01.30	24.6	001.96	034.31	0325.5	01.59	23.0
50196	000.36	003.52	0445.5	03.32	03.76	19.6	000.34	004.63	0358.2	02.78	24.2	000.22	000.98	0366.8	02.44	24.0
50224	002.03	030.56	0384.7	01.10	01.18	20.2	002.30	030.23	0294.0	00.72	25.4	002.59	034.27	0302.4	00.86	24.3
50234	001.97	033.69	0410.4	01.38	01.86	18.9	002.40	035.84	0289.7	00.69	25.1	002.29	031.00	0340.2	01.08	22.4
50243	001.22	021.62	0499.3	01.06	01.08	16.5	001.96	034.48	0360.4	00.79	21.1	000.67	010.15	0449.6	00.86	19.0
50250	002.82	045.52	0386.3	01.43	01.42	19.0	001.92	026.19	0304.0	00.93	25.2	003.23	056.11	0275.2	00.98	23.7
50307	002.19	034.83	0352.9	01.53	01.43	21.4	002.26	041.91	0247.2	00.71	27.7					
50330	001.86	023.54	0451.6	01.33	01.18	17.9	001.77	016.33	0346.1	00.89	23.5					
50365	001.13	023.11	0377.5	00.74	00.71	21.2	001.41	027.35	0295.3	00.54	25.9					
50382	001.72	035.50	0429.5	01.62	01.41	18.1	002.13	032.39	0316.4	00.99	23.7					
50384	000.67	016.81	0417.8	01.67	01.46	19.9	000.96	014.19	0332.3	01.17	24.8					
50452	002.12	029.17	0396.1	01.77	01.48	19.8	002.01	016.28	0315.6	01.22	25.5					
50455	001.53	022.70	0399.5	01.64	01.50	20.2	001.40	014.49	0309.1	01.42	26.4					
50461	001.99	039.69	0414.4	01.93	01.54	18.4	001.47	029.07	0336.1	01.37	22.9					
50518	002.02	011.68	0410.9	01.60	01.33	20.3	000.60	006.33	0322.3	00.72	26.5					
50548	001.37	022.53	0387.2	01.95	01.65	20.8	001.18	015.24	0300.1	01.30	27.0					
56037	004.01	127.65	0322.3	00.57	00.54	16.6	002.80	080.09	0275.2	00.48	21.6					
60057	000.60	009.34	0427.6	02.22	01.99	20.0	000.70	007.59	0348.1	01.14	24.5	000.90	012.35	0352.4	01.17	23.7
60278	001.38	023.03	0426.0	00.84	00.90	19.0	001.13	021.09	0339.9	00.48	23.5	001.86	053.23	0290.5	00.56	23.3
60365	001.67	031.32	0401.4	02.04	01.99	19.4	002.52	038.72	0288.8	01.06	24.8					
60480	002.62	044.23	0362.9	05.37	04.91	20.1	003.02	042.22	0286.7	04.17	24.5					
60540	002.33	053.68	0370.0	01.15	00.96	19.2	002.38	051.11	0289.6	00.79	23.5					
60628	000.43	005.81	0378.8	01.62	01.32	22.8	000.27	002.03	0312.6	00.86	28.0					
60655	001.27	020.98	0419.4	01.88	01.60	19.4	001.57	025.54	0309.3	01.01	25.0					
60681	001.40	024.28	0412.7	01.33	01.15	19.5	001.52	018.30	0312.4	00.71	25.6					
60727	002.19	046.59	0362.8	01.41	01.22	19.2	002.44	042.40	0283.8	00.79	24.8					
60731	002.10	030.41	0370.5	03.49	02.89	20.9	001.63	024.77	0297.3	02.55	26.0					
66026	002.66	029.60	0447.5	01.74	01.56	17.7	001.59	010.76	0376.1	01.06	22.3	002.94	049.94	0342.0	00.88	20.6

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=40   MODEL YR(S)=1975,1976

MAKE=CHEV   MODEL=VEGA MONZA

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50081	001.29	018.40	0455.6	01.73	01.49	18.2	000.21	003.33	0387.5	01.30	22.5	000.41	004.98	0391.5	01.39	22.1
50152	000.87	010.49	0403.0	02.84	02.55	21.0	000.50	006.44	0332.4	01.85	25.8	000.69	005.24	0372.8	02.29	23.1
50164	005.03	060.93	0300.3	01.50	01.46	21.5	003.28	046.30	0255.1	01.13	26.2	003.25	051.42	0245.3	00.94	26.4
50166	003.36	027.86	0361.7	02.10	02.10	21.3	002.25	016.45	0314.2	01.65	25.5	003.02	030.39	0307.2	01.52	24.3
50172	002.26	014.24	0367.2	03.33	03.36	22.4	001.54	006.25	0308.8	02.39	27.4	002.27	009.43	0320.6	03.66	25.9
50216	002.99	022.45	0373.8	01.80	02.03	21.2	001.65	012.05	0315.4	01.15	26.1	001.48	010.28	0325.5	01.80	25.6
50239	005.92	093.80	0372.2	01.29	01.34	16.5	004.17	073.00	0301.0	00.84	20.7	004.57	088.79	0291.6	00.84	19.9
50309	001.19	013.54	0433.0	01.86	01.74	19.4	001.18	011.54	0367.1	01.24	22.8					
50325	005.76	092.48	0356.1	01.20	01.08	17.7	005.27	107.06	0247.6	00.46	20.5					
50388	004.44	049.14	0397.2	01.83	01.67	18.2	003.05	038.78	0333.4	01.39	22.0					
50390	001.66	012.96	0414.8	03.41	03.18	20.1	000.89	008.78	0347.8	02.57	24.3					
50391	004.06	046.85	0363.8	03.30	03.04	18.9	002.59	032.47	0330.9	03.08	22.7					
50405	003.49	040.42	0368.2	01.64	01.64	20.0	003.25	036.70	0321.7	01.56	22.8					
50415	005.07	070.92	0355.9	01.99	01.73	18.3	003.69	061.83	0294.4	01.26	22.0					
50420	001.23	015.45	0369.7	02.81	02.40	21.2	000.47	005.14	0317.5	02.43	27.1					
50429	001.45	016.27	0434.5	01.91	01.64	19.1	000.45	003.24	0355.0	01.45	24.5					
50470	001.20	012.90	0435.1	01.49	01.28	19.3	001.52	015.71	0348.7	00.96	23.4					
50505	004.46	044.92	0367.9	03.09	02.53	19.6	003.59	040.32	0297.3	02.10	23.8					
50513	001.41	013.09	0394.5	05.37	04.41	21.1	000.78	005.84	0306.6	04.28	27.9					
50526	003.92	039.39	0364.2	02.19	01.91	20.2	002.77	031.90	0288.4	01.47	25.5					
54032	001.85	020.40	0377.4	01.75	01.49	21.3	001.09	011.34	0308.1	01.25	26.9	000.54	004.18	0334.5	01.70	25.9
56013	005.79	062.48	0340.3	01.88	01.63	19.4	004.13	054.64	0305.6	01.20	21.9	004.25	047.98	0337.1	01.86	20.8
56016	002.02	012.35	0423.7	02.73	02.42	19.7	001.11	005.91	0335.9	01.74	25.4	001.28	003.39	0368.6	02.16	23.5
56033	003.11	026.69	0377.4	02.68	02.33	20.7	001.91	017.62	0303.2	01.78	26.3	001.70	012.75	0329.4	02.75	25.0
60002	001.00	017.44	0356.2	01.99	01.75	22.9	000.31	002.94	0303.7	01.08	28.7	000.78	007.16	0311.4	01.50	27.3
60010	001.33	016.03	0405.5	01.53	01.37	20.4	000.69	006.18	0361.0	00.97	23.8	000.61	003.97	0360.4	01.60	24.1
60259	001.35	021.58	0383.8	01.22	01.18	21.0	000.39	003.79	0338.4	00.82	25.7	002.26	025.73	0324.7	00.52	23.8
60323	002.23	021.40	0384.6	01.26	01.23	20.9	000.57	006.23	0342.5	00.72	25.0	000.91	004.82	0363.1	01.29	23.7
60375	002.10	036.01	0410.1	02.04	01.90	18.7	003.19	041.74	0274.0	01.38	25.4					
60379	003.69	045.65	0367.7	01.90	01.80	19.7	002.14	031.76	0287.0	01.80	25.8					
60566	000.53	008.17	0380.8	02.82	02.31	22.4	000.23	001.29	0302.5	02.13	29.0					
60603	003.08	057.29	0328.3	01.62	01.40	20.7	001.89	040.33	0270.7	00.98	26.1					
60652	002.06	016.68	0362.2	01.61	01.57	21.4	001.35	012.07	0319.7	00.91	25.9					
60677	002.92	024.80	0416.7	01.73	01.52	19.1	002.29	020.07	0319.7	00.98	24.7					
60719	002.34	021.43	0379.4	01.76	01.43	21.1	001.71	014.63	0300.3	01.16	27.0					
64020	001.29	007.33	0423.0	03.74	03.02	20.2	001.32	004.64	0345.8	02.32	24.8	000.95	003.88	0366.1	02.62	23.6

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=41   MODEL YR(S)=1975,1976

MAKE=CHEV PONT OLDS   MODEL=NOVA CAMARO VENTURA FBIRD CUTLASS OMEGA

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50108	001.14	010.41	0534.7	02.63	02.54	16.0	000.92	016.09	0406.4	01.31	20.4	001.97	056.62	0380.2	01.19	18.7
50110	000.45	005.43	0539.9	03.27	02.96	16.1	000.22	002.67	0423.9	02.34	20.7	001.62	067.53	0381.1	00.91	18.0
50230	001.76	021.01	0506.1	02.12	02.09	16.3	001.09	009.25	0372.8	01.53	22.7	000.97	008.79	0424.5	01.52	20.1
50246	002.03	036.08	0460.2	03.30	03.43	16.3	000.98	018.05	0379.5	02.44	21.6	001.63	015.17	0351.5	03.10	23.3
50266	003.82	047.61	0494.7	01.67	01.62	15.2	003.17	040.00	0368.8	01.45	20.1	002.12	032.20	0353.0	00.85	21.6
50327	001.12	005.23	0527.9	02.62	02.38	16.4	000.23	000.10	0415.0	02.14	21.3					
50361	001.25	016.04	0531.4	03.25	03.01	15.8	001.44	033.32	0403.3	01.77	19.3					
50364	000.75	007.83	0578.7	02.81	02.49	14.9	000.11	000.58	0466.6	02.15	19.0					
50443	002.64	071.64	0453.6	01.99	01.74	15.4	003.04	053.00	0362.3	02.22	19.5					
50454	002.27	057.14	0474.4	02.85	02.40	15.5	002.47	051.02	0362.0	02.05	19.7					
50496	000.84	006.87	0497.5	03.36	02.77	17.4	000.19	000.39	0400.6	03.32	22.1					
56014	001.47	011.46	0505.5	03.08	02.67	16.8	000.64	002.45	0384.2	02.53	22.7	000.38	001.44	0446.4	01.65	19.7
56015	001.49	039.40	0510.1	02.69	02.33	15.4	001.07	021.68	0395.3	02.68	20.5	000.98	023.21	0407.8	02.66	19.8
60005	001.10	009.41	0521.0	01.74	01.55	16.4	000.65	003.18	0385.5	01.50	22.6	000.48	002.50	0448.1	01.34	19.6
60108	001.80	019.45	0490.7	03.64	03.19	16.8	001.12	005.49	0384.2	02.14	22.4	001.04	007.90	0384.3	03.73	22.2
60165	001.95	027.49	0472.9	03.86	03.59	17.0	001.36	017.70	0369.2	03.45	22.1	001.59	026.35	0381.0	04.25	20.7
60183	002.60	062.23	0448.5	02.77	02.98	16.0	002.33	046.07	0356.7	02.75	20.3	001.56	029.99	0404.1	03.48	19.4
60237	000.45	002.74	0533.7	02.71	02.84	16.4	000.29	000.63	0402.1	03.15	21.9	002.75	042.23	0377.3	03.17	19.6
60243	000.71	005.77	0505.3	02.13	02.10	17.2	000.44	000.27	0408.9	01.41	21.6	000.38	002.33	0401.6	02.64	21.8
60247	001.16	004.53	0554.1	02.29	02.15	15.7	000.17	000.27	0432.1	02.14	20.5	000.17	000.22	0446.1	03.58	19.8
60273	002.69	058.17	0446.8	02.29	02.22	16.2	002.51	046.48	0351.3	02.47	20.5	001.69	027.67	0372.0	02.99	21.1
60356	004.46	092.66	0424.4	02.26	02.16	15.2	004.57	073.00	0317.9	01.75	19.8					
60357	000.77	007.72	0499.8	02.51	02.35	17.2	000.44	002.37	0384.1	02.08	22.8					
60409	001.71	024.18	0462.2	03.59	03.43	16.9	001.69	022.44	0382.2	03.64	21.0					
60449	001.28	038.29	0525.3	01.55	01.44	15.0	001.09	026.26	0400.8	01.00	19.9					
60506	001.36	020.04	0413.1	02.02	01.91	19.8	001.04	011.73	0339.2	02.06	24.6					
60520	000.59	004.37	0515.1	02.97	02.56	16.9	000.15	000.06	0404.1	03.31	21.9					
60569	001.97	044.40	0536.0	02.21	01.81	14.5	000.88	030.43	0419.8	01.72	18.9					
60585	001.21	015.72	0489.8	02.78	02.52	17.1	000.25	001.06	0402.7	02.58	21.9					
60592	001.37	012.17	0490.3	03.53	03.02	17.3	000.76	003.04	0381.3	03.63	22.8					
60660	001.62	040.76	0453.2	03.96	03.26	17.0	001.05	017.98	0359.0	02.72	22.7					
60667	001.94	030.73	0471.0	03.82	03.13	16.9	001.55	020.51	0367.1	03.19	21.9					
60707	000.87	005.76	0519.0	04.00	03.31	16.7	000.17	000.12	0399.0	02.92	22.2					
64023	000.61	005.42	0470.3	02.48	02.07	18.4	000.33	000.50	0369.1	02.21	23.9	000.14	000.12	0418.0	02.92	21.2
66005	001.80	035.19	0473.1	02.10	01.65	16.6	001.47	017.68	0375.7	01.50	21.7	001.25	018.94	0429.8	01.51	19.1
66016	007.31	110.41	0385.0	03.63	03.09	15.2	006.29	078.17	0294.9	02.52	20.3	005.45	066.62	0370.8	04.08	18.0
66027	002.00	048.45	0497.2	03.29	02.91	15.3	001.60	034.27	0383.5	03.21	20.0	001.17	029.05	0435.7	02.91	18.3

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                                                  APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS
CELL NO=42     MODEL YR(S)=1975,1976
   MAKE=CHEV                                   MODEL=MALIBU CAMARO MONTE CARLO LAGUNA

         -------------FTP RESULTS-------------    -HTS FED SHORT CYCLE RESULTS-      -DEQ FED SHORT CYCLE RESULTS-
EPA NO   HC     CO     CO2    NOX   NOXC  MPG      HC     CO     CO2    NOX   MPG      HC     CO     CO2    NOX   MPG

50014  002.75 051.18 0547.0 03.46 03.40 13.9    002.08 043.03 0432.1 02.21 17.5    002.30 047.48 0481.1 03.02 15.6
50163  000.51 005.55 0631.2 02.20 02.44 13.8    000.22 001.50 0501.1 01.22 17.6    000.23 000.90 0496.2 01.63 17.6
50183  000.71 009.33 0627.4 02.14 02.03 13.8    000.32 003.12 0567.8 00.96 15.5    000.45 004.87 0534.4 00.86 16.3
50203  001.47 034.67 0607.3 01.72 01.70 13.3    001.36 029.46 0519.2 00.91 15.6    001.73 036.96 0475.4 00.71 16.5
50205  003.79 072.70 0629.0 01.90 02.05 11.7    003.21 057.53 0518.6 00.89 14.3    002.54 045.54 0547.0 01.36 14.2

50227  001.98 039.03 0545.3 01.38 01.46 14.5    002.33 035.54 0469.8 00.74 16.6    000.96 011.88 0499.1 01.06 17.0
50229  000.81 005.93 0624.9 02.45 02.46 13.9    000.20 000.78 0518.4 01.44 17.0    000.18 000.70 0527.5 01.88 16.6
50237  003.26 078.07 0726.6 01.01 01.04 10.3    002.74 083.21 0578.6 00.48 12.4    002.66 074.25 0592.1 00.71 12.4
50318  002.79 056.92 0562.6 02.59 02.41 13.4    001.57 035.83 0450.6 01.85 17.3
50333  001.88 035.58 0626.3 01.58 01.43 12.9    002.02 055.80 0474.8 00.63 15.6

54005  000.59 007.68 0617.2 04.54 04.16 14.1    000.34 005.67 0494.8 02.35 17.6    000.19 000.10 0473.7 02.77 18.7
56017  003.73 071.04 0593.1 02.10 01.78 12.4    002.95 067.46 0445.5 01.06 15.8    002.93 045.49 0541.4 01.40 14.3
56020  000.67 004.48 0603.3 02.52 02.18 14.5    000.39 003.22 0463.3 01.36 18.9    000.33 000.11 0543.8 01.93 16.3
56029  000.63 013.29 0668.4 02.44 02.07 12.8    000.28 006.07 0521.7 01.37 16.7    000.27 005.14 0588.2 01.77 14.9
60004  002.83 029.94 0565.5 02.89 02.50 14.3    002.87 031.97 0443.2 01.72 17.6    002.55 015.53 0494.6 02.23 16.6

60050  000.71 009.77 0647.4 02.45 02.02 13.3    000.27 000.72 0507.8 00.48 17.4    000.31 001.77 0589.6 01.86 14.9
60053  000.77 006.77 0611.5 02.59 02.16 14.2    000.22 001.21 0473.2 01.42 18.6    000.27 002.01 0542.6 01.94 16.2
60056  001.72 033.19 0624.5 02.21 01.85 13.0    001.04 014.30 0520.3 01.41 16.2    001.05 018.95 0563.1 01.92 14.9
60123  000.72 005.50 0648.4 02.28 02.11 13.4    000.36 001.92 0518.7 01.19 17.0    001.06 020.81 0499.4 01.00 16.0
60129  002.32 038.66 0671.0 02.74 02.38 12.0    001.73 020.83 0506.7 01.37 16.3    003.13 063.95 0471.4 01.03 15.2

60179  002.03 034.13 0601.4 02.47 02.29 13.4    001.67 019.22 0515.2 01.37 16.1    001.55 019.20 0500.4 01.46 16.6
60193  000.48 004.32 0657.8 02.10 01.94 13.7    000.31 003.03 0509.4 01.13 17.2    000.40 004.98 0544.1 01.52 16.0
60197  003.48 103.68 0658.6 00.65 00.60 10.7    003.13 113.04 0536.8 00.33 12.2    003.21 058.55 0502.3 00.76 14.7
60401  002.28 039.70 0629.5 02.42 02.30 12.7    002.67 055.03 0527.7 01.61 14.2
60450  002.32 039.37 0624.2 04.77 04.44 12.8    002.25 040.34 0497.7 03.47 15.6

60451  000.71 012.75 0673.5 02.56 02.47 12.7    000.50 009.77 0653.3 02.18 13.2
60503  001.72 040.16 0659.7 02.76 02.52 12.5    001.25 032.22 0503.4 01.44 15.9
60547  002.60 059.38 0592.1 03.95 03.33 12.8    002.27 047.17 0489.4 02.54 15.5
60549  001.20 017.68 0633.9 02.77 02.33 13.3    001.12 023.55 0498.6 01.31 16.4
60586  000.77 008.71 0648.1 02.35 01.94 13.4    000.92 012.58 0548.5 01.58 15.5

60594  001.06 020.65 0632.9 02.24 01.96 13.3    000.57 009.90 0560.7 01.57 15.3
60663  002.63 044.87 0596.1 04.01 03.43 13.1    002.05 034.37 0466.7 02.36 16.8
64015  000.74 010.50 0614.1 02.47 02.06 14.0    000.32 001.72 0524.4 01.70 16.8    000.27 000.64 0567.5 01.77 15.6
64048  003.13 065.26 0583.6 01.64 01.56 12.7    001.84 028.04 0475.5 00.96 16.9    002.14 040.90 0492.3 01.34 15.7
64055  000.78 008.48 0595.2 01.90 01.75 14.5    001.43 023.35 0481.2 00.97 17.0

66022  002.77 051.12 0595.7 01.83 01.73 13.0    001.29 018.43 0498.1 01.03 16.7    002.14 034.14 0549.5 01.68 14.5
66033  003.58 048.01 0644.3 02.67 02.38 12.1    002.49 032.33 0553.5 01.74 14.5    004.04 128.72 0515.1 01.13 12.1
66039  003.48 072.64 0597.4 01.91 01.72 12.3    002.63 053.77 0494.3 01.17 15.1
66045  003.28 064.83 0535.3 02.60 02.16 13.7    003.31 054.20 0412.7 01.36 17.4
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                                                  APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS
CELL NO=43     MODEL YR(S)=1975,1976
   MAKE=CHEV                                   MODEL=BELAIR IMPALA CAPRICE MALIBU WAGON

         -------------FTP RESULTS-------------    -HTS FED SHORT CYCLE RESULTS-      -DEQ FED SHORT CYCLE RESULTS-
EPA NO   HC     CO     CO2    NOX   NOXC  MPG      HC     CO     CO2    NOX   MPG      HC     CO     CO2    NOX   MPG

50003  000.46 007.60 0676.0 02.45 02.08 12.9    000.31 000.32 0528.4 01.18 16.7    000.21 002.31 0601.8 01.96 14.6
50004  001.62 026.42 0666.8 02.33 01.96 12.4    000.66 007.21 0534.5 01.40 16.2    000.24 001.95 0604.7 01.85 14.6
50012  003.06 074.86 0594.5 02.61 02.24 12.3    002.81 063.88 0479.7 01.50 15.1    002.45 051.43 0508.5 01.97 14.9
50013  011.07 053.17 0592.6 02.93 02.87 12.5    019.13 216.05 0400.9 00.97 11.1    000.69 008.68 0587.7 03.33 14.7
50026  000.66 003.06 0669.2 05.22 04.22 13.1    000.31 000.03 0525.4 03.30 16.8    000.28 000.54 0594.7 03.85 14.9

50032  002.71 041.60 0609.9 02.74 02.35 13.0    001.66 015.86 0494.5 01.66 16.9    001.35 015.06 0524.2 01.69 16.1
50036  000.76 014.09 0695.9 02.48 02.16 12.3    000.45 001.31 0582.0 01.42 15.1    000.40 002.07 0611.7 01.68 14.4
50038  002.45 050.21 0652.0 01.96 01.75 12.0    002.15 035.67 0530.5 01.01 14.9    002.98 056.70 0540.0 01.13 13.9
50040  000.81 017.80 0688.7 05.38 05.01 12.3    001.53 037.04 0518.2 02.85 15.3    000.91 020.46 0561.7 03.41 14.9
50042  001.40 027.38 0641.2 04.46 04.08 12.9    000.57 007.11 0551.5 03.75 15.7    001.34 027.56 0540.0 03.57 15.1

50045  001.87 035.68 0633.4 02.01 01.79 12.8    001.32 014.23 0528.3 01.32 16.0    000.83 009.12 0591.5 02.23 14.6
50046  001.79 042.84 0704.8 02.78 02.71 11.4    001.61 041.65 0557.9 01.51 14.1    002.14 068.79 0488.9 01.51 14.7
50051  000.97 009.48 0643.1 02.78 02.42 13.4    000.60 001.50 0515.4 01.48 17.1    000.48 004.09 0549.6 01.79 15.9
50059  003.29 069.43 0734.0 01.40 01.23 10.4    002.50 066.85 0584.7 00.69 12.7    002.65 054.62 0525.6 01.25 14.3
50117  004.79 094.70 0552.2 03.17 02.99 12.4    005.82 075.61 0432.1 01.56 15.6    006.35 083.79 0445.9 01.50 14.8

50118  003.28 024.49 0637.0 02.59 02.27 12.9    004.58 003.65 0505.0 01.74 16.9    002.91 011.63 0534.1 01.98 15.8
50133  003.81 127.04 0634.9 00.95 00.86 10.5    003.35 106.44 0482.3 00.43 13.4    004.13 089.44 0481.4 01.16 14.0
50153  001.91 026.69 0636.9 02.31 02.21 12.9    000.33 000.50 0548.9 01.60 16.1    000.31 001.64 0568.0 01.84 15.5
50171  000.75 008.87 0656.3 05.20 05.16 13.2    000.32 001.69 0517.7 03.74 17.0    000.41 005.42 0556.4 03.89 15.7
50184  001.05 012.12 0694.6 02.33 02.16 12.4    000.54 006.32 0578.3 01.46 15.0    001.13 009.68 0580.9 01.78 14.8

50187  002.44 025.61 0656.3 01.90 01.74 12.6    001.33 013.56 0517.9 01.00 16.3    001.20 005.03 0560.0 01.26 15.5
50259  004.14 126.75 0538.6 01.21 01.11 11.8    003.84 091.79 0446.9 00.71 14.7    003.69 097.65 0438.1 00.51 14.7
50338  000.98 021.24 0643.7 02.22 01.98 13.0    001.02 016.10 0520.3 01.39 16.2
50349  001.56 039.37 0608.2 03.80 03.57 13.1    002.10 048.39 0469.3 02.06 16.1
50402  002.87 048.11 0626.6 05.30 04.64 12.5    003.12 045.95 0502.3 03.41 15.2

54035  001.96 054.27 0676.8 02.28 01.99 11.5    001.29 028.82 0563.1 01.44 14.5    001.45 069.57 0635.7 00.79 11.8
56022  001.99 036.24 0657.1 05.66 04.79 12.3    004.03 093.89 0460.1 03.22 14.3    001.33 013.62 0579.6 04.30 14.7
60099  000.71 010.30 0706.6 02.45 02.13 12.2    000.20 003.31 0593.6 01.42 14.8    000.24 004.99 0570.5 01.52 15.3
60101  001.38 028.45 0698.4 02.89 02.40 11.9    000.49 008.05 0546.5 01.50 15.8    000.39 003.84 0578.9 01.82 15.1
60111  001.41 026.93 0746.9 01.68 01.46 11.2    001.24 018.64 0601.8 01.01 14.0    002.78 029.62 0514.9 01.62 15.6

60114  003.98 086.51 0561.6 02.70 02.47 12.5    003.50 054.13 0437.2 01.49 16.6    003.36 057.31 0476.0 01.74 15.4
60117  003.91 076.64 0625.9 02.44 02.16 11.7    003.02 052.62 0519.0 01.44 14.5    003.73 081.11 0472.8 01.01 14.5
60308  002.34 060.94 0713.0 01.58 01.55 10.9    002.49 054.88 0583.4 01.02 13.1    003.06 039.80 0497.8 01.42 15.6
60341  004.99 108.52 0571.9 01.02 01.14 11.7    003.79 081.30 0476.0 00.59 14.4    002.74 054.45 0496.7 00.89 15.0
60351  000.76 011.86 0645.1 02.58 02.53 13.3    000.58 005.82 0517.0 01.39 16.8    000.45 001.82 0563.1 02.19 15.6

60423  000.58 013.18 0703.0 02.22 02.12 12.2    000.99 025.13 0553.5 00.80 14.9
60522  000.66 009.65 0698.2 03.24 02.78 12.4    000.43 002.87 0558.9 01.51 15.7
60574  002.61 040.75 0621.4 02.82 02.23 12.8    000.73 009.10 0515.2 01.57 16.7
60656  003.07 039.27 0659.6 03.33 02.79 12.1    001.78 016.56 0509.0 01.81 16.4
60678  003.15 081.24 0575.2 02.19 01.95 12.4    003.03 063.52 0460.9 01.29 15.5

66044  002.88 059.72 0602.9 02.56 02.20 12.6    002.86 054.65 0468.2 01.35 15.7
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APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=44   MODEL YR(S)=1976

MAKE=CHEV   MODEL=MCAZA NCVA CAMARO LT

EPA NO	FTP RESULTS HC	CO	CO2	NOX	NOXC	MPG	-HTS FED SHORT CYCLE RESULTS- HC	CO	CO2	NOX	MPG	-DEQ FED SHORT CYCLE RESULTS- HC	CO	CO2	NOX	MPG
50523	001.26	026.17	0587.9	02.24	01.83	14.0	002.04	046.77	0444.3	01.27	16.9					
60006	000.79	003.67	0538.1	05.75	04.58	16.2	000.27	000.09	0418.7	03.91	21.1	000.71	001.30	0499.2	05.60	17.6
60008	001.79	021.32	0534.0	02.19	01.91	15.5	001.18	014.35	0424.1	00.92	19.7	000.45	003.20	0461.4	01.75	19.0
60016	000.82	007.37	0548.7	04.78	04.35	15.8	000.19	000.99	0417.9	02.91	21.1	000.27	000.62	0457.8	03.92	19.3
60032	000.99	008.47	0534.1	02.60	02.18	16.1	001.14	003.24	0415.4	01.29	20.9	001.19	004.20	0546.5	02.91	15.9
60035	000.64	006.70	0561.5	03.83	03.36	15.4	000.21	000.70	0446.4	02.20	19.8	000.19	000.28	0473.2	02.35	18.7
60048	001.63	027.73	0589.3	03.31	02.99	13.9	001.93	031.42	0467.7	01.72	17.0	000.47	000.90	0519.1	03.30	17.0
60055	000.66	005.50	0550.0	03.43	02.91	15.8	000.26	001.82	0435.4	01.92	20.2	000.21	000.19	0449.6	02.36	19.7
60058	000.66	005.32	0566.3	03.51	03.09	15.4	000.40	003.30	0444.3	01.82	19.7	000.47	004.50	0510.5	02.76	17.1
60063	000.61	003.06	0568.9	02.87	02.56	14.9	000.30	002.78	0484.4	01.68	18.1	000.17	000.24	0503.0	02.20	17.6
60068	000.76	004.38	0563.7	03.78	03.20	15.5	000.32	000.73	0457.0	02.04	19.3	000.33	001.10	0473.3	02.43	18.6
60079	002.86	033.33	0542.7	02.78	02.44	14.7	001.32	011.52	0448.4	01.83	18.8	002.37	033.96	0417.6	01.57	18.5
60110	000.76	006.35	0547.3	02.78	02.44	15.8	000.53	001.03	0445.5	01.57	19.8	002.13	023.52	0425.1	01.68	18.9
60116	000.55	004.05	0581.8	04.29	03.78	15.0	000.29	001.85	0464.5	02.41	18.9	000.26	000.90	0464.0	02.67	19.0
60132	001.10	017.43	0538.6	02.40	02.10	15.6	000.47	005.10	0428.8	01.16	20.2	000.72	010.68	0441.7	01.40	19.2
60136	001.02	013.48	0539.1	02.90	02.70	15.7	000.47	001.52	0424.8	01.83	20.7	000.58	003.87	0374.8	01.81	23.2
60147	003.03	044.38	0524.6	01.67	01.73	14.7	002.41	030.68	0424.8	00.89	18.4	003.97	055.87	0386.2	01.21	18.2
60150	001.39	004.90	0498.7	03.05	03.21	17.4	000.63	004.91	0391.8	01.68	22.1	000.62	004.37	0417.1	02.38	20.8
60156	001.24	009.60	0510.6	02.84	02.86	16.7	000.93	006.27	0375.5	01.41	22.8	000.43	003.26	0431.7	01.93	20.2
60192	002.75	049.44	0520.4	02.26	02.21	14.6	002.64	040.32	0424.7	01.41	17.9	002.38	039.51	0440.1	01.69	17.4
60214	003.56	105.62	0569.4	00.55	00.50	11.9	002.83	101.41	0448.3	00.34	14.4	003.37	089.30	0408.6	00.59	15.8
60219	000.48	002.46	0551.1	02.94	02.88	16.5	000.28	000.25	0434.0	01.79	20.4	000.20	000.28	0449.1	02.51	19.7
60241	001.12	013.36	0539.1	02.43	02.34	15.7	000.82	003.64	0458.6	01.49	19.0	001.14	010.59	0473.4	01.51	18.0
60310	000.96	011.14	0557.3	02.77	02.61	15.3	000.28	000.62	0441.0	01.69	20.0	000.29	000.40	0442.7	01.73	20.0
60316	001.04	004.15	0555.8	03.22	03.07	15.7	000.46	001.20	0429.7	02.13	20.5	000.40	000.80	0459.1	02.87	19.2
60318	001.79	019.49	0545.1	02.51	02.43	15.3	001.31	011.76	0449.4	01.30	18.8	001.07	007.32	0463.5	01.94	18.5
60386	005.23	091.54	0448.5	02.22	01.96	14.6	006.00	088.86	0328.5	01.16	18.2					
60414	001.03	014.55	0638.0	01.65	01.74	13.4	001.50	033.24	0494.8	00.66	16.1					
60416	001.68	040.43	0626.3	01.05	01.04	12.8	002.34	052.41	0480.2	00.53	15.6					
60471	001.33	019.41	0526.7	01.87	01.65	15.8	001.60	024.75	0410.8	00.78	19.5					
60489	001.37	019.51	0573.9	02.32	02.16	14.6	001.75	029.46	0459.6	00.89	17.3					
60497	003.49	005.31	0518.7	04.45	03.91	14.0	003.00	051.70	0422.9	02.86	17.3					
60550	000.58	008.30	0573.5	02.38	02.00	15.1	000.36	005.72	0468.9	01.49	18.5					
60552	000.68	004.26	0540.7	02.83	02.46	16.1	000.46	002.05	0451.3	01.51	19.4					
60575	001.84	014.50	0537.0	02.92	02.33	15.7	000.99	007.95	0443.8	01.55	19.3					
60665	002.66	032.85	0532.5	03.04	02.58	15.0	003.06	039.22	0381.4	01.28	19.6					
60712	004.28	060.47	0518.0	01.60	01.33	14.2	002.66	031.72	0401.2	00.91	19.3					
60716	000.89	009.53	0533.9	03.13	02.58	16.1	000.67	006.99	0411.8	01.14	20.9					
66025	004.62	035.72	0566.9	02.23	02.09	13.9	000.95	006.22	0446.3	01.29	19.3	002.52	037.53	0476.7	01.85	16.3
66055	000.61	004.74	0576.3	03.86	03.50	15.1	000.37	003.23	0450.0	01.94	19.4	000.25	000.91	0516.7	02.91	17.1

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=45   MODEL YR(S)=1976

MAKE=CHEV   MODEL=MALIBU MALIBU CLASSIC MONTE CARLO

EPA NO	FTP RESULTS HC	CO	CO2	NOX	NOXC	MPG	-HTS FED SHORT CYCLE RESULTS- HC	CO	CO2	NOX	MPG	-DEQ FED SHORT CYCLE RESULTS- HC	CO	CO2	NOX	MPG
60011	000.56	008.22	0566.3	03.08	02.66	15.3	000.27	001.65	0476.1	01.85	18.5	000.47	004.26	0494.9	02.22	17.6
60078	001.66	017.91	0575.0	02.62	02.55	14.6	000.66	003.50	0469.1	01.59	18.6	002.51	039.44	0429.0	01.66	17.8
60120	003.05	051.17	0596.9	02.65	02.57	12.9	003.54	046.31	0444.6	01.71	16.8	004.94	059.02	0433.1	01.91	16.4
60127	002.83	030.40	0532.2	02.67	02.62	15.1	001.96	014.37	0429.0	01.58	19.4	005.02	076.99	0374.6	01.42	17.3
60157	004.76	006.39	0480.6	02.48	02.36	14.8	004.71	045.16	0390.1	01.57	18.6	075.22	072.38	0389.1	01.45	12.0
60160	000.45	004.16	0517.7	02.97	03.05	16.9	000.19	001.62	0491.5	01.97	17.9	000.98	022.51	0497.2	01.59	16.6
60167	001.77	023.60	0517.7	02.24	02.21	15.8	001.36	011.15	0429.4	01.21	19.7	000.96	011.32	0449.7	01.22	18.8
60188	000.75	003.06	0580.3	03.83	03.71	15.1	000.35	002.08	0474.3	02.30	18.5	000.35	000.66	0516.1	03.05	17.1
60215	001.52	027.88	0735.0	02.40	02.21	11.3	002.67	034.34	0572.8	01.26	14.0	000.63	005.82	0513.7	02.96	16.9
60222	000.49	003.90	0574.6	02.82	02.78	15.2	000.21	000.91	0478.0	01.79	18.5	000.39	003.52	0492.2	01.83	17.8
60233	000.72	004.75	0531.5	03.76	03.74	16.4	000.53	001.03	0444.9	02.32	19.8	000.33	000.74	0457.5	02.90	19.3
60276	000.65	007.10	0557.9	02.12	02.02	15.5	000.24	002.45	0451.6	01.24	19.4	000.34	002.74	0466.0	01.67	18.8
60277	000.71	006.28	0558.6	03.24	03.11	15.5	000.27	000.76	0458.8	01.74	19.2	000.38	000.36	0464.6	02.60	19.0
60284	000.77	006.33	0536.8	03.52	03.55	16.1	000.48	002.40	0462.6	01.81	19.0	000.32	000.49	0455.2	02.45	19.4
60329	001.44	020.15	0562.4	01.92	01.87	14.8	000.86	008.74	0439.1	00.86	19.5	000.98	005.11	0497.4	01.51	17.4
60394	000.97	009.92	0651.9	05.66	05.13	13.2	001.06	012.73	0436.0	01.53	19.3					
60411	005.43	098.94	0511.5	02.03	02.16	13.0	006.70	094.63	0382.5	01.20	16.1					
60422	002.53	008.11	0605.0	03.63	03.60	14.2	001.47	003.36	0480.3	02.01	18.1					
60429	002.05	036.86	0537.4	02.72	02.56	14.7	001.03	020.83	0429.9	01.74	19.0					
60438	000.90	007.59	0517.9	02.99	02.79	16.6	000.68	002.34	0412.8	01.63	21.2					
60446	000.66	005.55	0532.8	03.61	03.45	16.3	000.35	005.54	0489.0	02.66	17.8					
60472	000.65	005.13	0592.7	03.56	02.91	14.7	000.20	001.11	0483.7	02.29	18.2					
60553	001.42	023.24	0594.3	01.94	01.74	14.0	000.41	005.34	0502.4	00.96	17.3					
60556	000.81	010.83	0554.7	03.35	03.08	15.4	000.29	001.29	0456.7	02.49	19.3					
60591	000.67	005.65	0545.5	03.71	03.31	15.9	000.33	002.48	0442.9	01.96	19.8					
60595	001.08	011.31	0547.2	02.77	02.27	15.6	000.35	004.77	0511.9	02.41	17.0					
60608	003.46	043.47	0514.0	01.67	01.74	14.9	002.76	032.29	0453.8	01.40	17.3					
60609	000.80	007.13	0576.1	03.22	02.86	15.0	000.40	002.09	0459.8	01.90	19.1					
60617	002.56	038.59	0528.8	03.21	02.83	14.8	003.01	046.51	0418.7	01.86	17.7					
60625	000.54	006.82	0597.7	03.94	03.28	14.5	000.20	003.08	0477.2	02.17	18.4					
60630	002.01	018.83	0554.7	03.41	02.82	15.0	000.84	003.83	0472.0	02.26	18.4					
60641	001.71	011.90	0576.1	03.41	03.01	14.8	000.75	008.55	0479.3	02.16	17.9					
60643	000.68	003.90	0572.2	05.18	04.33	15.3	000.15	000.07	0440.8	03.81	20.1					
60649	000.51	003.45	0580.2	02.93	02.50	15.1	000.24	001.76	0452.7	01.55	19.4					
60659	000.64	009.22	0568.5	02.54	02.11	15.2	000.21	000.74	0448.1	01.54	19.7					
66001	001.89	032.67	0566.8	02.24	01.95	14.2	001.33	018.22	0459.9	01.35	18.0	001.08	010.46	0473.5	01.61	18.0
66023	001.37	005.15	0616.2	04.51	03.86	14.1	001.11	000.82	0484.4	02.68	18.1	000.89	000.34	0537.8	03.20	16.4

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=46 MODEL YR(S)=1976,1977

MAKE=CHEV MODEL=CHEVETTE

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60083	000.80	013.19	0349.6	02.26	01.92	23.8	000.26	002.29	0275.1	02.21	31.7	000.35	005.06	0277.1	02.15	31.0
60094	000.94	011.72	0358.0	02.56	02.71	23.4	000.42	001.99	0300.1	02.02	29.1	000.31	001.63	0315.3	02.67	27.8
60100	003.52	020.53	0368.1	04.49	04.00	21.5	002.13	008.73	0304.6	03.83	27.3	002.13	007.27	0295.6	03.69	28.3
60171	001.64	012.88	0366.0	02.94	02.62	22.8	000.29	001.98	0298.8	02.41	29.3	001.57	022.69	0298.9	02.18	26.1
60174	001.67	010.36	0316.9	03.00	02.78	26.2	001.36	003.81	0264.5	03.07	32.3	001.44	005.76	0262.2	02.73	32.1
60176	001.11	014.02	0333.2	02.41	02.22	24.7	000.93	009.07	0256.0	01.94	32.5	000.84	004.61	0277.1	02.12	30.9
60206	001.43	028.51	0311.3	02.66	02.68	24.6	001.65	025.82	0257.3	02.26	29.3	001.17	013.13	0302.8	03.09	27.1
60226	001.19	016.08	0334.2	02.52	02.34	24.4	001.01	011.03	0276.9	01.94	29.8	001.33	016.10	0309.4	01.97	26.2
60268	000.62	015.22	0333.5	01.88	01.80	24.7	000.40	006.55	0280.2	01.66	30.4	000.34	003.97	0292.8	02.07	29.5
60274	000.49	009.61	0382.2	00.98	00.94	22.2	000.64	012.74	0319.1	00.58	26.0	000.47	004.31	0271.2	02.15	31.7
60286	000.41	007.88	0372.4	01.82	01.67	23.0	000.24	003.89	0292.1	01.33	29.7	000.98	020.67	0274.7	01.23	28.6
60345	000.56	014.10	0364.0	01.28	01.26	22.9	000.41	008.65	0289.6	01.03	29.1	000.43	007.15	0299.2	01.03	28.4
60361	000.67	011.14	0327.0	02.38	02.18	25.6	000.58	009.79	0256.0	01.79	32.5					
60367	001.07	029.17	0345.2	01.40	01.40	22.5	000.82	016.40	0288.1	01.15	28.0					
60490	000.96	015.18	0343.2	02.77	02.60	24.0	000.94	011.74	0277.4	02.28	29.7					
60501	002.84	064.31	0309.1	01.07	00.99	21.2	002.30	048.88	0253.3	00.79	26.3					
60533	000.92	013.62	0342.4	01.97	01.66	24.2	000.35	005.04	0282.3	02.19	30.4					
60546	000.70	011.13	0310.5	02.78	02.37	26.9	000.34	003.36	0273.8	02.44	31.7					
60583	000.40	008.19	0356.3	02.95	02.37	23.9	000.17	002.60	0292.5	02.48	29.9					
60607	000.83	016.74	0402.4	01.25	01.11	20.6	000.80	017.16	0319.0	00.82	25.4					
60631	001.53	018.75	0300.7	03.45	02.80	26.5	001.10	010.21	0246.7	02.93	33.3					
60645	003.48	031.06	0316.2	03.91	03.33	23.6	002.91	027.29	0219.5	02.74	32.6					
60657	001.77	028.86	0344.9	02.33	01.98	22.4	001.23	018.49	0265.3	01.65	29.7					
60658	000.71	010.07	0345.0	02.73	02.34	24.4	000.60	007.90	0265.3	01.70	31.7					
60673	000.99	016.28	0316.2	02.22	01.93	25.7	000.45	005.71	0257.3	01.49	33.1					
60680	002.96	070.98	0279.3	01.76	01.52	22.2	003.04	089.35	0189.6	00.51	26.1					
60715	000.80	014.40	0351.2	02.05	01.73	23.6	000.59	010.85	0272.0	01.77	30.5					
60732	001.78	043.26	0283.9	02.65	02.22	24.8	001.51	031.20	0220.0	02.35	32.4					
64013	000.66	011.10	0348.2	02.24	01.98	24.1	000.18	000.12	0292.4	01.95	30.2	000.22	000.86	0316.2	02.56	27.9
70066	000.67	014.15	0321.2	03.24	02.80	25.7	000.37	006.37	0260.8	02.59	32.6	000.38	004.85	0297.9	02.75	28.9
70080	000.35	006.01	0341.6	03.19	02.80	25.2	000.09	000.42	0271.4	02.73	32.6	000.33	005.23	0285.3	02.50	30.1
70228	000.83	017.71	0299.2	01.74	01.60	26.9	000.54	008.45	0239.1	01.16	34.9	000.67	009.54	0246.1	01.71	33.7
70320	000.43	005.97	0346.9	02.51	02.47	24.8	000.26	005.69	0275.9	01.44	31.0	000.45	002.86	0322.6	02.21	27.0
70330	000.17	002.50	0320.5	01.87	01.77	27.3	000.12	001.34	0262.2	01.29	33.5					
70388	000.86	019.15	0324.7	02.14	01.95	24.8	000.65	013.21	0272.4	01.41	30.0					
70400	000.99	036.31	0337.5	02.13	01.94	22.3	000.98	032.38	0272.8	01.29	27.1					
70463	000.65	010.27	0342.2	02.58	02.17	24.6	000.67	010.50	0281.1	01.55	29.6					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=47 MODEL YR(S)=1976,1977

MAKE=CHEV MODEL=CHEVETTE

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60088	001.35	016.64	0331.7	01.74	01.55	24.5	001.14	012.06	0257.9	01.00	31.6	000.98	005.03	0246.0	03.31	34.5
60155	001.79	035.52	0319.9	02.56	02.63	23.2	001.57	033.90	0258.2	01.86	28.0	001.59	036.39	0247.6	02.06	28.6
60177	001.13	017.68	0339.6	02.58	02.37	23.9	000.88	015.03	0288.3	01.54	28.2	001.02	010.14	0294.5	01.72	28.3
60182	000.64	008.42	0315.5	03.33	02.97	26.8	000.43	005.74	0250.7	02.13	34.0	000.60	006.92	0272.5	02.87	31.0
60198	000.63	008.22	0323.4	03.22	03.00	26.2	000.45	006.62	0259.8	01.91	32.6	000.51	006.09	0268.2	02.19	31.7
60221	001.54	017.76	0304.5	01.55	02.19	26.3	001.26	016.58	0254.0	01.41	31.2	001.87	030.29	0251.6	01.61	29.1
60257	001.78	024.74	0295.3	02.05	01.95	26.1	001.56	027.47	0239.6	01.56	30.8	002.01	043.44	0220.1	01.06	30.1
60258	000.62	009.28	0317.1	03.16	03.06	26.6	000.19	001.62	0254.8	02.32	34.4	000.33	002.67	0272.5	02.83	31.9
60279	001.07	020.39	0322.1	02.19	02.27	24.8	001.24	020.84	0322.0	03.01	24.7	001.59	026.76	0272.6	01.84	27.7
60300	001.60	022.20	0325.3	01.68	02.03	24.3	000.82	011.68	0300.1	01.50	27.6	001.89	032.49	0267.8	01.86	27.3
60315	001.33	019.79	0342.2	01.12	01.07	23.5	001.21	017.14	0279.3	00.79	28.6	000.90	010.36	0259.5	02.30	31.8
60326	000.86	015.24	0401.8	01.07	01.05	20.7	000.38	007.25	0324.9	00.69	26.3	000.28	002.38	0319.1	00.80	27.4
60371	002.31	042.24	0297.6	01.64	01.54	23.9	002.04	040.40	0241.5	01.27	28.5					
60377	000.79	010.74	0305.6	02.38	02.24	27.3	000.33	005.06	0248.2	02.00	34.5					
60482	000.59	008.07	0344.4	02.39	02.22	24.7	000.16	002.54	0288.3	01.56	30.3					
60486	002.17	015.54	0303.7	03.39	03.19	26.5	001.36	012.83	0248.1	02.48	32.5					
60502	001.55	022.31	0318.0	02.36	02.19	24.8	001.26	024.43	0252.7	01.46	30.1					
60509	000.77	013.16	0369.2	03.08	02.63	22.6	000.36	005.92	0304.8	02.16	28.1					
60524	000.67	009.42	0316.0	03.54	03.07	26.6	000.17	001.85	0261.7	02.70	33.4					
60534	000.91	010.68	0331.4	02.68	02.28	25.3	000.42	006.19	0270.3	01.72	31.5					
60536	001.07	014.33	0327.4	03.27	02.71	25.1	000.23	004.68	0268.5	02.63	32.1					
60597	002.55	035.45	0276.4	02.46	02.03	26.1	002.47	031.41	0217.4	01.81	32.3					
60598	000.52	006.03	0293.3	03.15	02.60	29.1	000.35	004.41	0241.9	02.20	35.5					
60606	002.17	022.65	0297.6	02.28	01.99	26.1	001.44	014.62	0242.9	01.65	32.7					
60634	000.60	008.81	0305.5	02.55	02.09	27.6	000.29	005.10	0249.4	01.55	34.3					
60638	001.00	016.60	0291.4	02.84	02.37	27.7	000.71	011.37	0225.7	02.29	36.1					
60646	001.02	014.70	0344.4	02.43	02.02	23.9	000.50	007.26	0270.7	01.70	31.3					
60648	000.71	012.37	0330.7	01.96	01.68	25.2	000.35	008.99	0254.5	01.51	32.9					
60675	001.68	032.32	0326.0	01.95	01.65	23.2	001.34	025.49	0269.5	01.50	28.3					
60692	001.16	014.52	0291.8	02.35	01.87	27.9	000.59	007.75	0235.4	01.89	35.6					
60703	001.55	018.76	0305.5	03.08	02.44	26.1	000.78	009.58	0240.1	02.53	34.4					
60704	000.86	013.44	0332.8	02.47	01.98	24.9	000.39	005.46	0276.2	01.84	31.0					
64018	001.53	026.16	0323.1	03.53	03.08	24.0	000.96	011.03	0275.6	02.74	30.0	001.01	012.63	0277.2	03.04	29.5
70064	000.66	012.09	0311.2	01.90	01.66	26.7	000.36	007.43	0254.4	01.44	33.2	000.69	013.29	0246.1	01.04	32.9
70068	000.79	012.86	0340.7	02.14	01.86	24.4	000.36	006.19	0281.3	01.53	30.3	000.30	004.59	0291.5	01.66	29.6
70249	000.80	014.03	0334.7	01.12	01.06	24.7	000.31	005.73	0270.2	00.60	31.7	001.04	026.26	0256.1	00.80	29.5
70339	000.86	013.62	0318.2	01.66	01.59	25.9	000.27	005.75	0259.9	01.21	32.9					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=48   MODEL YR(S)=1975,1976

MAKE=PONT   MODEL=PONT GRAND AM LEMANS CATALINA GRAND PRIX BONNEVILLE

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50053	000.72	003.71	0637.6	04.74	03.96	13.7	000.32	000.28	0494.3	03.47	17.9	000.38	002.07	0528.6	04.57	16.6
50057	002.30	032.59	0567.7	03.36	02.85	14.2	002.20	011.42	0457.9	02.43	18.4	001.54	006.24	0503.7	02.57	17.0
50064	004.44	065.28	0624.8	04.46	04.05	12.0	003.51	041.50	0497.4	02.55	15.5	002.10	021.24	0503.8	02.69	16.3
50106	001.56	017.79	0753.6	02.21	02.31	11.6	000.25	002.87	0514.2	01.27	17.1	000.27	001.70	0550.4	01.89	16.0
50107	003.43	047.89	0635.7	01.44	01.50	12.3	001.60	007.37	0553.5	01.71	15.6	002.74	027.90	0570.4	02.68	14.2
50123	002.54	035.87	0745.4	01.40	01.27	11.0	001.99	014.84	0617.2	00.94	13.7	003.22	006.30	0613.6	00.85	14.0
50156	002.39	027.12	0666.0	01.57	01.54	12.4	001.49	008.94	0529.7	01.52	16.2	001.40	009.56	0578.0	01.93	14.8
50215	002.13	027.39	0641.5	01.68	01.74	12.8	001.32	010.14	0557.9	01.47	15.3	000.88	009.01	0550.6	01.91	15.6
50228	001.70	017.44	0694.4	01.59	01.71	12.2	001.12	004.82	0614.1	01.55	14.2	000.68	002.76	0591.7	01.66	14.8
50288	002.67	047.70	0667.4	03.01	03.07	11.5	003.02	039.69	0536.2	02.55	14.6	003.67	068.40	0518.9	02.43	13.9
50295	000.71	004.29	0687.8	03.88	04.19	12.7	000.44	000.11	0493.9	01.77	17.9	000.61	002.88	0543.4	02.94	16.1
50357	005.10	061.65	0598.7	01.58	01.42	12.5	003.71	045.52	0507.6	01.30	15.0					
50424	000.54	004.57	0767.1	02.17	01.78	11.4	001.31	018.51	0574.4	01.84	14.6					
50440	003.59	064.79	0703.0	02.18	02.00	10.9	004.43	076.28	0519.1	01.10	13.6					
50467	003.06	046.30	0651.1	05.37	04.30	12.1	002.44	033.98	0593.9	05.55	13.5					
50555	001.99	024.54	0623.3	06.91	05.70	13.3	001.35	006.30	0482.1	03.78	17.9					
50562	001.62	041.65	0708.4	01.46	01.20	11.4	002.12	069.45	0485.8	00.61	14.7					
60065	003.16	052.24	0567.4	03.10	02.67	13.1	003.39	037.13	0469.9	02.46	16.5	003.06	035.27	0488.1	02.35	16.0
60086	003.09	047.19	0573.3	03.79	03.17	13.5	002.69	030.87	0446.3	03.23	17.6	001.87	021.32	0485.8	04.27	16.9
60087	005.56	082.46	0574.1	02.18	01.86	12.3	005.54	067.10	0433.4	01.25	15.9	003.99	056.86	0484.8	01.70	15.1
60096	001.61	021.74	0660.5	02.49	02.30	12.7	001.01	005.77	0551.5	01.71	15.7	002.93	067.46	0571.9	01.70	12.9
60104	001.51	010.96	0635.6	02.80	02.40	13.5	000.46	002.95	0492.3	01.75	17.8	000.36	000.93	0513.1	02.60	17.2
60112	001.76	023.14	0658.2	02.81	02.52	12.7	002.15	028.93	0519.3	02.28	15.5	002.25	025.32	0496.9	02.02	16.3
60216	000.40	008.52	0758.7	01.92	01.88	11.5	000.34	001.48	0607.1	01.30	14.5	000.69	002.40	0566.4	03.42	15.5
60263	001.13	012.16	0653.5	01.75	01.88	13.1	001.23	011.06	0534.8	01.14	15.9	000.66	007.85	0558.4	01.08	15.5
60313	000.44	001.95	0682.9	07.40	06.81	12.9	000.20	001.04	0499.3	04.04	17.7	000.09	000.05	0491.1	04.09	18.0
60349	001.95	024.61	0658.7	01.34	01.30	12.6	001.49	009.90	0493.0	01.00	17.3	000.69	002.95	0515.7	01.09	17.0
60360	001.31	032.43	0703.9	01.20	01.11	11.7	002.41	060.77	0489.8	00.53	15.0					
60363	002.98	052.04	0642.9	03.08	02.85	12.1	003.41	045.89	0497.7	01.41	15.3					
60437	003.51	042.70	0619.1	02.18	02.01	12.7	004.27	037.64	0476.9	01.44	16.1					
60485	000.98	008.83	0631.8	04.11	03.87	13.7	000.87	006.99	0492.2	02.18	17.5					
60517	001.96	034.19	0655.0	02.95	02.49	12.4	002.42	047.27	0514.4	02.19	14.9					
60602	003.73	053.68	0633.6	01.89	01.59	12.2	003.50	060.43	0491.6	01.16	14.8					
60613	000.55	004.14	0671.5	02.90	02.66	13.0	000.17	000.13	0486.4	02.01	18.2					
60618	002.34	048.88	0736.1	01.20	01.05	10.8	002.12	029.96	0676.6	01.21	12.1					
60620	002.32	040.61	0588.1	02.16	01.99	13.4	002.27	035.31	0451.9	01.71	17.2					
60623	001.12	016.46	0819.6	01.31	01.10	10.4	001.57	039.98	0613.0	00.76	13.0					
60669	003.54	060.61	0619.5	02.44	02.08	12.2	003.35	043.50	0511.9	02.02	15.0					
60686	002.51	023.61	0629.7	02.57	02.06	13.1	001.57	005.77	0531.6	02.27	16.3					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=49   MODEL YR(S)=1975,1976

MAKE=BUICK OLDS   MODEL=CUTLASS WAGON LASABRE OLDS 88 CENTURY WAGON REGAL

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50058	001.40	011.10	0616.0	01.65	01.43	13.9	001.19	019.12	0463.1	00.84	17.8	000.98	013.07	0496.2	01.05	17.1
50061	000.47	002.74	0741.8	02.21	01.94	11.9	000.43	001.90	0560.2	01.18	15.7	000.21	000.01	0551.9	02.65	16.0
50099	001.17	012.30	0679.2	01.38	01.36	12.6	000.97	014.61	0541.3	00.74	15.6	001.49	038.32	0521.1	00.74	15.1
50137	000.53	007.32	0757.2	02.37	02.27	11.5	000.24	001.46	0651.7	01.08	13.5	000.33	001.56	0639.7	01.33	13.8
50176	001.18	020.32	0697.5	02.27	02.25	12.1	001.11	014.54	0535.1	01.14	15.8	001.81	029.28	0561.0	01.66	14.5
50194	000.72	008.95	0672.2	02.08	01.99	12.9	001.02	023.97	0582.2	01.41	14.2	000.57	009.04	0561.3	01.45	15.4
50355	000.71	003.27	0615.6	02.62	02.43	14.2	000.29	000.57	0463.8	01.54	19.0					
50383	000.58	003.15	0629.1	02.92	02.62	13.9	000.27	000.40	0489.1	01.93	18.1					
50441	002.00	022.58	0640.0	03.17	02.69	13.0	000.84	005.62	0508.7	02.04	17.0					
50531	001.14	013.29	0649.7	02.50	02.00	13.2	000.87	006.55	0551.5	02.32	15.7					
50537	002.61	026.21	0543.5	02.06	01.63	15.0	003.14	024.54	0400.2	01.43	19.8					
54012	000.82	006.11	0593.7	04.18	03.60	14.6	000.35	001.99	0457.7	03.71	19.2	000.26	000.16	0497.1	05.08	17.8
56023	001.54	013.59	0639.4	01.49	01.47	13.3	000.95	006.13	0475.7	00.97	18.2	000.36	000.50	0571.4	01.39	15.5
60024	001.35	010.93	0592.0	07.72	07.22	14.5	000.23	000.10	0443.0	05.60	20.0	000.28	000.06	0548.5	06.89	16.1
60033	001.05	020.37	0615.0	05.57	04.93	13.6	000.35	006.68	0484.0	04.68	17.9	000.51	009.00	0572.9	07.24	15.1
60090	000.64	008.70	0670.7	01.95	01.64	12.9	000.50	008.35	0471.3	01.24	18.2	000.47	009.11	0505.4	02.22	17.0
60091	000.56	012.76	0764.0	02.20	01.83	11.3	000.84	015.30	0584.0	00.99	14.5	000.27	000.86	0562.2	02.39	15.7
60109	001.13	014.45	0709.9	01.46	01.37	12.0	000.72	005.85	0562.7	00.72	15.4	000.67	011.09	0572.8	00.82	15.0
60158	000.58	012.62	0727.5	03.18	03.05	11.8	000.28	000.18	0572.5	02.25	15.5	000.81	011.64	0564.4	02.40	15.2
60161	002.75	032.18	0554.1	01.58	01.61	14.5	002.77	017.24	0450.1	01.00	18.2	005.61	043.90	0432.7	01.11	17.1
60229	003.14	046.17	0581.2	01.98	01.81	13.4	003.44	039.98	0438.6	01.26	17.3	003.43	045.74	0442.7	01.23	16.9
60314	001.16	015.52	0738.9	01.54	01.70	11.6	000.75	008.01	0664.4	00.99	13.1	000.53	001.20	0633.7	00.73	13.9
60320	000.77	003.68	0611.1	04.20	04.06	14.3	000.23	000.01	0484.0	03.37	18.3	000.24	000.10	0485.1	03.53	18.2
60321	000.67	008.03	0631.9	05.06	04.95	13.7	000.28	000.99	0489.7	04.26	18.0	000.24	000.91	0504.7	04.68	17.5
60335	002.01	021.67	0643.5	01.58	01.49	13.0	001.51	011.00	0522.9	00.93	16.3	002.71	035.87	0454.4	01.39	17.1
60355	000.54	004.87	0672.8	06.73	06.20	13.0	000.43	000.98	0524.0	04.58	16.8					
60362	000.62	004.94	0684.4	06.42	05.77	12.8	000.90	019.53	0526.1	03.66	15.8					
60421	000.72	004.72	0618.8	02.68	02.46	14.1	000.45	001.19	0482.2	01.75	18.3					
60427	000.52	003.85	0658.3	03.55	03.51	13.3	000.34	001.67	0521.6	01.57	16.9					
60473	000.79	007.50	0630.1	02.43	02.17	13.8	000.27	000.09	0503.0	01.51	17.6					
60478	000.46	007.33	0650.0	07.63	06.34	13.4	001.47	024.24	0510.2	05.00	16.0					
60683	000.68	004.59	0678.7	01.67	01.39	12.9	000.27	000.35	0557.1	00.88	15.9					
60696	001.94	014.46	0583.8	03.52	02.81	14.5	000.42	000.89	0510.2	02.99	17.3					
60705	000.83	008.43	0743.1	06.18	04.98	11.7	001.75	038.99	0615.6	03.56	13.0					
60708	002.91	033.47	0560.0	04.62	03.84	14.3	002.79	020.94	0422.6	03.25	19.1					
64043	000.57	003.19	0722.3	01.44	01.39	12.2	000.63	009.53	0547.4	00.52	15.7	000.19	000.07	0645.5	01.10	13.7
64054	000.67	002.15	0622.3	02.13	01.55	14.1	000.27	000.24	0497.2	01.11	17.8					
64058	001.10	008.62	0732.5	02.83	02.39	11.8	000.99	008.92	0537.7	01.67	16.0					
66019	000.90	009.33	0647.9	02.33	02.04	13.3	000.32	000.96	0500.9	01.17	17.6	000.80	006.18	0529.0	00.87	16.4

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=50 MODEL YR(S)=1975,1976

MAKE=PONT OLDS BUICK MODEL=LASABRE ELECTRA RIVIERA 98 CSTM CRUISER ESTATE WAGON PONT

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50074	001.03	011.00	0745.6	03.61	03.19	12.0	000.31	000.92	0582.2	02.83	15.2	000.20	000.03	0579.3	03.37	15.3
50147	001.28	017.00	0792.0	01.97	01.80	10.8	001.77	022.27	0653.5	01.32	12.8	001.54	023.10	0624.7	01.39	13.3
50182	000.74	007.59	0769.5	07.21	06.77	11.3	001.90	032.45	0615.2	04.83	13.2	000.99	009.12	0659.8	05.32	13.1
50190	005.06	073.82	0613.9	05.28	04.85	11.9	003.94	052.83	0488.9	04.03	15.2	004.66	051.84	0513.7	04.79	14.5
50241	001.78	029.41	0738.7	05.60	05.72	11.2	001.73	028.84	0563.8	04.05	14.4	002.62	070.53	0541.0	03.77	13.4
50247	000.83	004.26	0685.8	02.93	02.93	12.8	000.64	006.20	0498.4	01.59	17.4	000.95	011.40	0530.6	02.08	16.1
50317	000.73	003.60	0688.6	02.25	02.08	12.7	000.65	004.20	0527.2	01.66	16.5					
50346	001.04	004.79	0737.8	02.26	02.08	11.8	000.62	005.00	0572.3	01.27	15.2					
50396	001.16	008.69	0811.9	07.48	06.70	10.7	001.23	011.92	0644.0	02.50	13.3					
50456	001.67	025.96	0765.8	03.20	02.60	10.9	002.46	034.78	0612.5	01.61	13.1					
50465	001.76	004.80	0752.3	02.13	01.69	11.6	002.01	012.13	0604.4	01.15	14.1					
50466	000.59	002.81	0713.2	02.61	02.08	12.3	000.33	001.39	0579.9	01.90	15.2					
50491	002.46	048.72	0698.6	06.35	05.64	11.3	002.51	055.08	0521.2	04.05	14.4					
50515	001.49	021.90	0748.2	04.02	03.33	11.3	002.30	030.84	0556.3	01.71	14.5					
50535	004.55	064.00	0659.2	04.79	03.89	11.5	004.27	039.97	0498.6	02.89	15.4					
50549	001.17	003.63	0764.0	02.52	02.07	11.5	000.72	000.60	0594.7	02.17	14.8					
50557	002.38	021.13	0866.8	01.63	01.46	09.6	003.46	030.49	0656.6	01.03	12.4					
50563	000.78	006.53	0720.3	02.35	01.96	12.1	001.26	017.45	0533.4	01.36	15.7					
54011	000.92	002.18	0781.3	01.96	01.72	11.3	001.54	000.56	0655.3	01.25	13.4	000.55	000.10	0661.5	01.33	13.4
56019	002.59	042.28	0721.5	02.19	01.82	11.1	003.27	080.61	0494.8	00.65	14.0	001.83	022.79	0636.2	01.37	13.1
60119	000.55	002.92	0756.0	08.58	07.57	11.6	000.68	008.37	0610.5	04.90	14.2	000.26	001.80	0643.3	06.79	13.7
60124	000.27	003.69	0989.3	02.08	01.82	08.9	000.09	000.24	0840.2	01.20	10.5	000.41	004.62	0644.9	01.35	13.6
60152	001.25	004.92	0860.3	01.87	02.28	10.2	001.25	010.41	0667.2	00.82	12.9	003.32	080.05	0622.9	00.88	11.7
60154	002.35	035.26	0758.4	01.45	01.63	10.8	003.18	082.35	0529.9	00.54	13.2	004.44	158.54	0477.7	00.41	12.0
60166	000.58	002.16	0706.3	01.95	01.93	12.5	000.65	011.18	0534.2	00.89	16.0	002.01	070.72	0494.3	00.75	14.5
60224	002.79	031.96	0720.4	01.86	01.94	11.4	002.58	014.20	0561.4	00.96	15.0	003.73	067.65	0538.3	01.16	13.5
60298	002.02	029.71	0743.6	01.32	01.53	11.1	002.56	020.69	0593.2	00.78	14.0	002.97	057.99	0539.6	00.86	13.9
60331	000.90	015.30	0721.1	02.19	02.15	11.9	000.58	006.09	0588.8	01.31	14.8	000.51	004.76	0604.1	01.55	14.5
60369	004.32	056.08	0706.8	08.17	07.46	11.0	004.99	062.74	0518.3	04.46	14.0					
60384	001.07	013.15	0768.6	03.26	02.92	11.2	001.28	012.23	0596.4	01.41	14.3					
60443	000.62	003.37	0697.4	03.15	02.73	12.6	000.47	001.47	0553.3	01.87	15.9					
60477	000.66	002.25	0760.3	03.53	03.04	11.6	000.41	000.86	0602.5	01.97	14.7					
60515	000.82	006.96	0762.4	03.54	03.08	11.1	001.87	018.93	0607.3	01.81	13.8					
60726	000.64	004.01	0761.7	03.02	02.57	11.5	001.40	023.35	0590.7	01.25	14.0					
64011	000.83	009.07	0765.7	02.07	01.86	11.3	001.76	027.65	0572.6	00.94	14.3	001.29	012.11	0634.5	01.39	13.5
66020	000.84	008.15	0737.4	05.18	04.34	11.8	000.31	000.01	0535.4	02.86	16.5	001.59	012.21	0603.1	04.02	14.1

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=51 MODEL YR(S)=1975,1976

MAKE=BUICK MODEL=CENTURY SKYLARK APOLLO REGAL

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50085	000.53	005.80	0562.8	02.58	02.34	15.5	000.24	001.39	0456.6	01.11	19.3	000.37	002.96	0443.7	01.39	19.7
50087	000.50	005.50	0499.6	06.85	06.15	17.4	000.23	000.30	0398.1	05.14	22.2	000.15	000.49	0396.7	05.49	22.3
50088	001.63	040.55	0454.0	02.21	01.96	17.0	001.19	027.71	0363.9	01.39	21.6	001.37	027.14	0407.6	01.70	19.5
50096	005.08	102.80	0439.4	04.00	04.22	14.4	004.38	070.69	0344.7	02.94	18.9	003.68	056.46	0380.8	04.68	18.4
50114	001.64	037.56	0520.5	02.05	01.85	15.2	001.09	029.40	0408.6	00.86	19.4	001.15	026.78	0430.8	01.24	18.6
50125	001.39	023.34	0483.3	05.48	05.49	16.9	000.80	014.17	0386.0	04.41	21.6	000.61	006.80	0392.6	05.59	21.9
50195	001.17	012.36	0500.3	07.08	06.65	16.9	000.37	002.51	0405.4	05.83	21.6	000.22	001.69	0416.0	06.53	21.1
50201	001.00	018.45	0478.8	07.25	06.90	17.4	000.22	000.43	0391.9	05.32	22.6	000.22	001.39	0406.0	05.65	21.7
50283	002.24	052.17	0518.6	01.51	01.48	14.6	001.60	029.75	0435.7	00.82	18.2	002.21	034.06	0435.1	01.26	17.9
50290	002.09	042.23	0542.8	01.76	01.76	14.4	001.47	029.71	0440.1	00.90	18.0	000.90	012.33	0448.5	01.15	18.6
50310	001.02	016.34	0526.7	08.24	07.70	16.0	000.48	007.78	0404.0	06.57	21.2					
50332	001.35	016.71	0511.5	07.68	07.16	16.4	000.53	005.61	0399.1	05.86	21.7					
50386	002.07	021.41	0506.2	07.22	06.54	16.2	000.32	001.15	0411.4	06.02	21.4					
60015	001.62	025.27	0492.3	03.95	03.31	16.5	001.15	013.74	0392.5	02.21	21.2	001.06	008.52	0442.5	03.10	19.3
60021	001.23	018.74	0493.4	08.18	07.05	16.8	000.92	013.11	0379.5	06.36	22.0	000.83	007.04	0435.2	08.45	19.8
60022	000.51	004.65	0487.3	05.27	04.52	17.9	000.25	000.65	0385.3	03.10	22.9	000.44	000.87	0425.1	03.82	20.7
60030	000.76	011.91	0508.1	02.83	02.41	16.8	000.48	005.63	0398.5	01.67	21.7	000.33	001.42	0483.9	02.71	18.2
60046	001.08	016.01	0495.0	03.22	02.69	16.9	001.27	014.51	0369.7	01.44	22.4	000.67	005.64	0438.7	02.38	19.7
60077	000.81	010.68	0510.2	03.92	03.65	16.7	000.37	002.23	0403.8	02.57	21.7	000.22	001.13	0365.4	02.71	24.1
60146	000.63	006.21	0470.3	03.08	03.22	18.4	000.21	000.72	0372.8	01.62	23.7	000.25	000.51	0403.4	02.22	21.9
60227	002.12	037.96	0460.6	02.76	02.76	16.8	001.50	021.29	0353.2	01.51	22.7	001.10	008.84	0405.8	02.22	21.0
60337	000.44	003.60	0512.6	03.74	03.74	17.1	000.15	001.06	0398.7	01.81	22.1	000.17	001.18	0413.2	02.38	21.3
60338	001.46	018.62	0478.3	05.94	05.91	17.3	000.59	003.94	0397.9	04.90	21.8	000.36	002.71	0415.0	06.30	21.1
60373	000.89	008.63	0584.0	04.88	04.74	14.8	000.62	003.23	0396.0	02.66	22.0					
60399	003.57	100.45	0458.8	05.00	04.73	14.1	002.95	080.88	0364.5	03.61	17.7					
60460	000.83	008.19	0496.9	03.52	03.13	17.3	000.42	000.10	0399.1	02.11	22.1					
60468	000.79	005.81	0517.8	03.95	03.41	16.8	000.23	000.82	0409.5	02.42	21.5					
60531	002.91	047.75	0455.4	05.66	04.67	16.4	001.76	036.02	0366.0	04.64	20.7					
60551	000.46	004.28	0480.9	03.98	03.43	18.1	000.18	000.39	0379.4	02.24	23.3					
60557	000.74	005.42	0488.5	02.72	02.40	17.8	000.20	000.59	0413.5	01.97	21.4					
60559	001.30	015.87	0442.2	02.59	02.23	18.8	000.45	001.56	0356.2	01.73	24.6					
60615	002.55	036.62	0448.7	05.69	04.98	17.2	002.20	032.08	0343.5	03.86	22.1					
60616	000.76	004.75	0470.1	04.34	03.86	18.5	000.20	000.55	0366.8	02.36	24.1					
60626	001.99	041.03	0440.4	07.85	06.50	17.3	001.94	037.80	0348.0	05.24	21.4					
60697	000.76	014.02	0518.9	02.78	02.20	16.3	000.21	003.28	0407.7	01.50	21.4					
60698	002.27	065.01	0511.9	02.13	01.70	14.3	001.85	055.98	0394.7	00.92	18.2					
60701	002.42	040.99	0422.1	07.41	05.88	17.9	002.50	037.66	0305.4	04.41	23.8					
64060	001.10	008.22	0502.9	07.06	05.91	17.1	000.46	001.68	0453.0	08.23	19.4					
66024	001.88	046.71	0447.1	06.63	06.34	16.8	001.31	027.95	0335.8	04.62	23.1	000.81	014.25	0414.0	07.17	20.2
66029	001.69	029.14	0482.7	03.69	03.06	16.6	001.11	009.77	0362.8	01.72	23.2	001.02	013.82	0436.9	03.31	19.2

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS .

CELL NO=52   MODEL YR(S)=1976,1977

MAKE=CADILLAC   MODEL=SEVILLE

EPA NO	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEW FED SHORT CYCLE RESULTS-				
	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
60020	001.14	008.53	0629.1	03.17	02.85	13.7	000.56	000.40	0486.4	02.13	18.1	000.37	001.18	0585.1	02.51	15.1
60025	000.66	007.53	0593.3	03.41	03.25	14.6	000.36	000.35	0508.8	03.25	17.4	000.34	001.43	0543.2	04.34	16.2
60137	000.80	008.35	0700.5	01.30	01.19	12.4	000.40	002.20	0586.0	00.81	15.0	000.42	005.52	0519.4	02.14	16.8
60139	001.24	010.77	0597.3	06.28	05.78	14.3	001.17	001.39	0455.0	04.91	19.2	000.58	000.17	0495.6	06.52	17.8
60178	000.93	009.90	0598.7	01.89	01.70	14.4	000.36	000.66	0471.3	01.06	18.7	000.57	000.38	0511.5	01.35	17.3
60194	000.98	008.61	0597.1	02.61	02.41	14.4	000.49	001.54	0477.7	01.66	18.4	000.72	002.21	0540.5	01.99	16.2
60272	001.50	010.50	0570.0	02.37	02.18	15.0	000.53	000.28	0457.6	01.37	19.3	000.50	000.61	0480.7	01.64	18.4
60309	000.90	008.41	0605.4	04.61	04.25	14.3	000.85	001.57	0470.1	03.22	18.7	000.80	001.81	0461.4	02.59	19.0
60404	006.75	012.63	0701.9	09.40	08.53	11.9	000.97	000.92	0600.3	07.20	14.7					
60424	002.08	007.62	0683.5	03.77	03.51	12.6	000.54	000.28	0503.3	02.17	17.5					
60426	001.25	013.76	0649.0	07.18	06.53	13.1	000.63	000.18	0503.2	05.45	17.5					
60454	001.26	012.61	0623.2	05.15	05.04	13.7	000.53	000.67	0483.1	02.95	18.3					
60459	001.23	014.13	0624.1	02.23	02.01	13.6	000.53	006.70	0501.1	01.24	17.3					
60465	000.62	006.78	0648.5	02.87	02.54	13.4	000.68	001.12	0523.6	02.53	16.8					
60494	000.78	009.12	0644.4	04.24	03.80	13.4	000.40	001.01	0520.9	03.06	16.9					
60555	001.00	005.90	0631.0	06.50	05.50	13.8	000.37	000.43	0503.4	07.08	17.6					
60651	001.15	010.59	0591.3	02.49	02.20	14.5	000.80	001.42	0455.4	01.49	19.3					
60689	000.84	011.16	0573.8	07.62	05.59	14.9	000.42	000.05	0415.6	05.50	21.3					
60721	001.42	012.10	0609.7	06.23	05.06	14.0	000.37	000.07	0504.8	04.12	17.5					
64003	000.84	002.24	0604.4	02.98	02.68	14.5	000.39	001.24	0501.2	01.69	17.6	000.81	000.56	0476.1	02.40	18.5
64025	001.13	009.00	0614.7	03.21	02.78	14.0	000.52	000.39	0457.3	02.37	19.3	000.45	000.44	0507.4	02.73	17.4
70168	000.90	009.81	0640.4	01.59	01.61	13.5	000.59	001.14	0524.5	01.17	16.8	000.43	000.08	0524.9	01.76	16.8
70176	000.54	005.58	0643.3	02.67	02.72	13.6	000.19	000.08	0683.7	02.91	13.0	000.29	000.64	0502.6	02.12	17.6
70231	001.26	007.48	0585.6	01.55	01.60	14.7	000.36	002.30	0465.4	00.92	18.9	000.56	002.25	0470.0	01.46	18.7
70234	000.71	007.54	0726.9	01.02	01.07	12.0	000.41	003.29	0595.5	00.52	14.7	000.48	000.94	0551.6	02.30	16.0
70240	000.99	008.05	0588.3	01.27	01.31	14.7	000.73	000.91	0465.3	00.69	18.9	000.50	000.21	0469.5	01.12	18.8
70253	000.80	007.41	0602.1	01.90	01.89	14.4	000.61	001.01	0471.3	01.16	16.7	000.46	000.82	0473.7	01.95	18.6
70280	000.72	005.63	0619.0	02.06	02.02	14.1	000.52	000.34	0497.1	01.68	17.8	000.29	000.12	0466.3	01.24	19.0
70371	001.43	007.83	0626.1	02.03	01.85	13.8	000.90	000.39	0492.3	01.18	17.9					
70522	000.90	009.29	0625.7	02.10	01.69	13.8	000.52	000.70	0495.4	01.14	17.8					
70523	000.70	007.81	0589.9	02.05	01.63	14.7	000.31	000.41	0469.3	01.39	18.8					
70608	000.99	008.19	0571.6	02.01	01.67	15.1	000.66	001.12	0442.4	01.51	19.9					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=54   MODEL YR(S)=1977

MAKE=CHEV   MODEL=CHEV CAMARO MALIBU NOVA

EPA NO	FTP RESULTS						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70048	001.17	021.41	0490.1	01.84	01.64	16.8	000.64	007.56	0412.1	01.20	20.8	001.80	031.84	0399.1	00.89	19.5
70057	003.06	048.02	0457.4	00.89	00.88	16.3	002.65	029.45	0370.1	00.47	20.9	006.94	075.80	0315.5	00.30	19.6
70059	005.93	087.47	0377.7	01.61	01.53	16.6	006.20	065.13	0304.4	00.81	20.8	007.69	076.75	0284.9	00.68	20.6
70090	002.04	042.19	0492.8	02.11	01.82	15.7	001.40	021.46	0402.0	01.33	20.1	001.35	016.66	0412.2	01.43	20.0
70096	002.43	044.80	0447.5	01.38	01.25	16.9	002.06	030.67	0342.5	00.77	22.3	003.97	047.96	0337.9	00.67	20.8
70124	001.92	034.46	0452.5	01.85	01.70	17.3	001.93	020.46	0368.4	01.04	21.8	001.73	020.04	0329.9	01.02	24.2
70129	001.39	034.63	0473.6	01.73	01.62	16.7	001.76	034.37	0369.5	00.74	20.7	001.26	018.90	0360.9	00.85	21.4
70141	001.58	020.15	0458.0	02.03	01.85	17.9	001.58	015.88	0367.0	01.14	22.3	001.23	007.64	0397.5	01.32	21.5
70169	001.41	010.79	0431.5	01.18	01.21	19.6	000.40	000.86	0342.0	01.18	25.7	000.20	001.03	0368.9	01.66	23.9
70193	001.37	011.69	0469.7	01.85	02.18	17.3	001.51	013.71	0380.4	00.99	21.8	003.19	044.47	0375.2	01.35	19.5
70236	000.82	011.91	0475.6	01.66	01.63	17.8	000.22	001.49	0381.6	01.74	23.1	000.26	004.00	0405.7	01.53	21.5
70271	002.80	055.30	0437.2	01.49	01.76	16.6	002.52	033.91	0361.6	00.91	21.0	002.63	049.38	0323.1	00.62	21.7
70295	000.66	006.11	0496.6	01.92	01.79	17.4	000.23	000.01	0410.2	00.94	21.6	000.25	000.06	0415.4	01.00	21.3
70296	001.49	019.96	0476.3	01.76	01.68	17.3	001.20	010.06	0379.4	01.09	22.2	001.20	005.04	0405.4	01.22	21.3
70318	001.92	035.73	0446.4	01.42	01.38	17.4	002.03	023.42	0352.8	00.86	22.4	001.90	020.61	0354.7	00.72	22.6
70321	000.78	012.51	0516.8	01.44	01.41	16.5	000.51	003.59	0425.1	00.75	20.5	000.19	000.55	0437.9	00.93	20.2
70382	002.14	031.31	0460.3	01.47	01.34	17.2	001.62	016.88	0363.6	00.91	22.4					
70384	001.91	028.87	0447.6	01.57	01.49	17.8	001.96	014.98	0370.4	00.88	22.2					
70389	001.14	012.94	0472.7	01.53	01.45	17.9	000.45	002.83	0381.9	00.79	22.9					
70445	002.26	033.19	0447.0	01.51	01.42	17.5	002.01	010.66	0372.1	00.87	22.4					
70470	001.86	037.51	0502.9	01.18	01.04	15.6	001.92	027.01	0384.3	00.58	20.5					
70474	002.07	033.87	0455.4	02.19	01.88	17.2	002.01	019.47	0373.6	01.18	21.6					
70476	003.14	043.14	0454.1	01.04	00.89	16.7	002.26	019.46	0371.9	00.68	21.6					
70482	003.13	041.99	0444.1	01.58	01.42	17.1	002.74	030.12	0355.5	00.67	21.6					
70498	003.69	063.83	0408.9	01.49	01.30	16.1	004.02	073.74	0321.8	00.61	19.7					
70505	002.13	061.02	0517.4	01.00	00.85	14.3	002.03	057.63	0401.7	00.39	17.8					
70512	000.56	006.94	0494.3	02.86	02.33	17.5	000.11	000.11	0397.9	02.42	22.3					
70579	004.42	071.61	0411.2	01.51	01.26	16.5	003.29	041.25	0329.1	01.51	21.9					
70593	001.56	016.91	0519.8	06.17	05.40	16.1	000.37	000.91	0461.1	06.09	19.1					
70615	001.60	031.51	0480.4	03.78	03.29	16.6	001.32	017.04	0366.2	03.06	22.3					
70673	000.78	010.90	0445.5	02.13	01.84	19.1	000.21	000.47	0353.7	01.23	25.0					
76003	001.81	030.92	0459.9	01.99	01.90	17.3	001.30	011.06	0382.8	01.21	21.9	000.98	011.27	0448.0	01.66	18.9
76038	002.20	034.94	0422.6	01.61	01.42	18.3	001.39	016.72	0353.1	00.69	23.1	001.54	011.68	0417.0	01.41	20.1
76042	002.69	045.71	0457.6	01.39	01.37	16.5	002.02	019.26	0364.3	00.74	22.1					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=55 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV MALIBU MONTE CARLO CAPRICE

	-------------FTP RESULTS-------------						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NCX	MPG	HC	CO	CO2	NOX	MPG
70008	000.79	005.84	0562.8	01.77	01.46	15.4	000.21	000.32	0473.7	00.76	18.7	000.42	000.46	0540.1	01.14	16.4
70009	000.46	006.64	0565.2	02.16	02.01	15.4	000.15	001.11	0422.1	01.13	20.9	000.18	000.84	0508.9	01.35	17.4
70018	000.83	013.98	0570.6	01.44	01.32	14.9	000.35	000.78	0457.0	00.86	19.3	000.43	002.81	0529.6	01.36	16.6
70019	001.38	014.06	0569.7	01.58	01.47	14.9	001.58	020.93	0432.4	00.68	18.9	000.17	001.38	0555.7	01.63	15.9
70020	000.77	008.03	0584.3	01.67	01.74	14.8	000.16	000.69	0441.2	00.94	20.0	000.25	001.14	0496.4	01.12	17.8
70029	001.12	015.12	0549.0	01.77	01.64	15.4	000.41	000.98	0438.0	01.08	20.1	000.45	001.48	0503.1	01.29	17.5
70037	004.82	080.65	0492.1	01.38	01.18	14.0	004.31	059.35	0402.6	00.82	17.4	003.62	048.35	0456.1	00.91	16.3
70039	000.51	005.94	0593.0	02.43	02.06	14.7	000.17	000.47	0465.0	01.32	19.0	000.39	000.76	0517.5	01.50	17.1
70042	000.54	006.86	0686.0	01.54	01.31	12.7	000.15	000.94	0551.8	00.84	16.0	000.36	003.74	0509.8	01.11	17.2
70045	000.78	012.03	0555.2	03.17	02.75	15.4	000.22	001.43	0450.4	01.99	19.6	000.46	007.77	0465.6	01.71	18.5
70053	000.57	006.88	0591.7	02.18	02.08	14.7	000.16	000.39	0478.3	01.13	18.5	000.28	000.17	0495.9	01.34	17.8
70055	001.83	038.10	0577.9	00.75	00.72	13.8	001.30	025.07	0465.0	00.59	17.4	001.20	018.18	0471.8	00.59	17.6
70145	002.81	055.10	0572.4	01.06	00.55	13.3	002.59	041.39	0446.5	00.69	17.1	004.12	048.76	0389.5	00.78	18.5
70146	003.29	055.98	0513.5	01.34	01.24	14.5	003.28	042.20	0429.9	00.60	17.5	005.00	060.18	0394.3	00.48	17.6
70158	000.76	005.30	0607.1	01.50	01.36	14.4	000.34	000.52	0512.8	00.81	17.2	000.28	000.64	0523.3	00.95	16.9
70209	000.70	021.61	0713.7	00.65	00.61	11.8	000.93	032.33	0552.7	00.33	14.6	000.72	013.75	0495.2	00.42	17.1
70212	004.49	052.21	0470.3	03.14	03.06	15.7	004.26	045.79	0362.7	01.76	19.8	007.89	066.50	0357.2	01.93	18.2
70213	002.71	042.03	0465.5	01.25	01.38	16.4	002.63	029.29	0409.7	00.94	19.1	001.51	017.69	0418.7	01.30	19.6
70247	000.52	004.70	0546.4	01.33	01.27	16.0	000.24	000.59	0464.8	00.74	19.0	000.23	000.24	0445.9	00.95	19.8
70285	000.55	006.93	0564.4	01.72	01.57	15.4	000.25	001.71	0446.3	00.80	19.7	000.22	000.62	0438.6	00.99	20.1
70308	000.60	004.68	0547.5	01.78	01.72	15.9	000.36	000.02	0523.1	01.01	16.9	000.35	000.55	0480.3	01.48	18.4
70312	000.85	011.70	0568.5	01.23	01.34	15.0	000.26	003.44	0465.8	00.59	18.8	000.29	005.15	0452.3	00.76	19.2
70350	002.14	041.50	0558.3	01.55	01.38	14.1	002.32	052.29	0470.4	00.97	15.8					
70354	003.99	078.29	0494.2	01.03	00.90	14.1	003.73	058.29	0404.4	00.42	17.5					
70365	000.53	004.36	0596.2	01.83	01.78	14.7	000.35	001.42	0482.1	00.97	18.3					
70404	002.84	050.52	0464.7	01.61	01.43	15.5	002.57	036.17	0405.6	01.00	18.8					
70454	000.90	017.89	0542.4	01.38	01.28	15.5	000.42	007.64	0446.8	00.62	19.3					
70460	000.72	009.22	0575.0	02.23	01.89	15.0	000.33	002.88	0442.9	00.98	19.8					
70486	005.90	087.60	0478.8	01.51	01.40	14.0	005.63	069.03	0384.6	00.55	17.4					
70487	000.72	012.50	0585.7	01.08	01.01	14.6	000.33	005.72	0495.1	00.51	17.6					
70506	000.88	011.35	0587.0	01.89	01.59	14.6	000.19	000.91	0459.4	01.01	19.2					
70632	002.18	030.56	0492.8	01.88	01.52	16.2	001.89	019.70	0382.4	01.03	21.1					
70638	002.86	038.64	0501.6	01.44	01.13	14.0	002.09	032.75	0430.3	00.71	18.2					
74010	000.39	004.13	0555.3	01.70	01.53	15.8	000.19	000.46	0460.4	00.87	19.2	000.15	000.34	0501.6	01.55	17.6
76012	003.04	044.18	0492.2	02.02	01.73	15.5	002.17	021.51	0402.9	01.07	20.0	002.04	023.46	0454.3	01.51	17.8
76014	002.02	039.02	0522.1	02.62	02.33	15.0	001.55	014.72	0424.9	01.75	19.6	000.92	007.93	0474.2	02.81	18.1
76022	002.72	044.60	0540.0	01.62	01.44	14.3	001.48	017.70	0453.1	00.81	18.3	002.61	031.44	0439.0	00.92	17.9
76023	003.62	054.88	0370.9	01.78	01.53	18.9	002.32	026.30	0382.1	00.95	20.6	002.46	036.91	0470.1	01.68	16.5
76024	004.14	078.51	0499.9	01.56	01.34	13.9	003.09	049.86	0405.0	00.87	18.0	002.50	042.68	0482.7	01.76	15.9
76025	002.44	036.45	0469.4	03.23	02.91	16.0	001.82	017.45	0365.4	01.98	22.2	001.61	013.92	0469.0	01.26	17.9
76030	002.30	048.35	0460.3	00.71	00.64	16.3	001.85	029.04	0375.3	00.36	20.8	001.68	026.92	0459.0	00.64	17.5
76033	002.06	037.27	0539.4	01.61	01.35	14.7	001.61	017.46	0475.4	00.91	17.5	001.68	028.20	0452.4	02.39	17.7
76034	002.48	040.22	0508.1	01.58	01.41	15.3	002.50	033.05	0412.8	00.79	18.8	001.89	027.52	0451.1	01.11	17.7

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APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=56 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV MALIBU MONTE CARLO CAPRICE

	-------------FTP RESULTS-------------						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NCX	MPG	HC	CO	CO2	NOX	MPG
70012	000.52	004.69	0576.1	00.76	00.63	15.2	000.39	000.44	0459.7	01.02	19.2	000.23	000.00	0520.8	01.04	17.0
70015	000.67	003.66	0675.6	01.73	01.54	13.0	000.32	000.00	0544.0	00.76	16.3	000.21	000.04	0579.9	01.02	15.3
70033	000.71	008.29	0710.7	02.93	02.45	12.2	000.24	003.22	0501.0	01.38	17.5	000.23	001.60	0552.6	01.22	16.0
70043	000.45	004.99	0618.1	02.54	02.11	14.1	000.12	000.50	0497.1	01.60	17.8	000.14	000.29	0536.7	01.84	16.5
70046	000.39	005.78	0614.3	01.77	01.54	14.2	000.30	004.23	0486.6	00.85	17.9	000.41	004.72	0532.3	00.81	16.4
70047	000.55	005.33	0613.5	02.11	01.86	14.2	000.11	000.52	0511.2	01.32	17.3	000.14	000.10	0559.1	01.46	15.8
70056	000.34	002.16	0635.1	02.54	02.32	13.9	000.13	000.13	0537.3	01.40	16.5	000.12	000.09	0521.3	01.43	17.0
70078	001.08	009.45	0590.5	02.11	01.86	14.6	000.30	002.97	0482.3	01.21	18.2	000.22	000.10	0522.3	01.60	17.0
70091	001.19	012.87	0542.5	01.62	01.55	15.7	000.74	003.53	0431.5	00.97	20.2	000.45	000.89	0470.4	01.27	18.7
70116	000.60	008.16	0582.9	01.58	01.49	14.8	000.17	000.04	0482.3	01.08	18.4	002.23	042.53	0545.4	01.31	14.3
70126	000.72	017.34	0754.0	01.13	01.03	11.3	000.56	010.90	0598.1	00.77	14.4	000.86	006.41	0527.4	01.15	16.4
70151	001.18	014.37	0638.3	02.05	02.03	13.3	000.58	005.11	0539.2	01.18	16.2	001.61	016.88	0529.0	01.10	15.8
70154	000.37	003.17	0600.6	01.92	01.84	14.6	000.10	000.02	0532.9	01.29	16.6	000.12	000.17	0531.1	01.30	16.7
70181	000.47	004.36	0573.9	01.75	01.63	15.2	000.26	000.07	0479.9	01.15	18.4	000.37	000.11	0516.9	01.41	17.1
70218	003.10	052.83	0561.6	03.35	03.69	13.6	002.70	042.10	0462.0	02.24	16.5	002.76	045.10	0475.6	02.48	16.0
70219	002.51	046.05	0511.4	01.51	01.76	15.0	001.87	033.19	0441.0	00.88	17.8	002.14	032.63	0453.0	01.19	17.4
70252	001.28	012.82	0594.0	01.36	01.43	14.3	000.23	000.85	0489.3	01.01	18.0	000.26	000.43	0511.3	01.30	17.3
70269	001.09	010.29	0583.3	02.09	01.55	14.7	000.87	005.14	0471.9	01.27	18.4	000.57	003.05	0461.1	01.05	19.0
70297	000.68	005.67	0603.8	01.78	01.66	14.4	000.26	000.00	0508.2	01.00	17.4	000.30	000.14	0515.6	01.17	17.2
70329	000.40	002.81	0607.7	01.42	01.31	14.5	000.17	001.10	0488.4	00.75	18.1					
70355	000.43	002.12	0654.9	02.42	02.20	13.4	000.24	000.05	0528.0	01.51	16.8					
70359	001.17	019.43	0649.6	04.73	04.36	13.0	000.37	004.46	0510.9	02.78	17.1					
70434	000.45	001.85	0597.8	01.93	01.77	14.7	000.22	000.04	0483.6	01.15	18.3					
70441	002.10	029.16	0563.0	06.34	05.97	14.4	002.21	021.46	0452.0	04.14	18.0					
70444	000.36	001.51	0662.3	01.20	01.05	13.3	000.28	000.01	0537.7	00.92	16.5					
70496	001.58	018.02	0579.5	01.99	01.74	14.5	000.81	005.62	0462.4	01.06	18.7					
70515	000.32	004.24	0634.2	02.29	01.86	13.8	000.11	001.37	0549.6	01.95	16.1					
70525	000.63	005.14	0604.2	01.79	01.44	14.4	000.16	000.00	0552.0	01.48	16.0					
70633	005.03	094.52	0515.7	02.19	01.72	13.0	004.49	075.02	0405.3	01.34	16.5					
70635	000.49	002.95	0577.1	01.76	01.42	15.2	000.16	000.37	0488.1	01.27	18.1					
74026	000.30	001.37	0616.6	01.90	01.67	14.3	000.17	000.00	0513.1	00.42	17.3	000.18	001.57	0521.8	01.15	16.9
76005	001.71	036.30	0613.1	01.87	01.66	13.1	001.39	021.46	0526.8	01.15	15.7	001.64	018.60	0598.3	01.67	14.0
76015	001.81	030.27	0549.0	01.99	01.82	14.7	001.36	013.94	0436.2	01.16	19.2	001.20	013.78	0483.7	01.44	17.4
76017	002.98	050.33	0522.6	02.16	01.80	14.5	002.71	035.78	0431.0	01.01	17.9	002.59	031.99	0429.0	01.22	18.2
76035	001.94	038.37	0585.6	04.59	04.16	13.6	001.73	024.11	0491.2	03.32	16.6	001.58	027.27	0456.0	02.48	17.6
76037	003.86	042.00	0483.9	01.95	01.71	15.8	002.46	022.68	0383.1	01.08	20.8	002.75	026.55	0443.8	01.37	17.9
76043	001.26	024.41	0567.4	01.89	01.56	14.5	001.22	022.53	0468.0	01.37	17.5					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=57   MODEL YR(S)=1977

MAKE=PONT OLDS   MODEL=LEMANS GRAND PRIX CATALINA

	-------------FTP RESULTS-------------						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70013	001.36	008.15	0550.8	03.11	02.67	15.6	000.36	000.19	0406.3	02.00	21.8	000.63	000.46	0469.5	02.38	18.8
70026	000.79	004.98	0555.3	02.79	02.48	15.7	000.23	000.08	0411.0	01.46	21.5	000.24	000.29	0463.2	01.65	19.1
70028	000.80	007.91	0561.6	02.77	02.38	15.4	000.16	000.38	0465.5	02.53	19.0	000.25	000.25	0490.0	02.89	18.1
70109	000.52	004.33	0539.0	02.06	02.03	16.2	000.16	000.13	0444.3	01.50	19.9	000.21	000.42	0420.1	01.55	21.0
70117	001.90	025.42	0531.3	01.84	01.68	15.4	002.00	014.27	0411.6	01.13	20.1	002.24	014.59	0413.5	01.08	20.0
70119	001.02	009.32	0565.2	01.71	01.58	15.2	021.90	001.39	0457.1	01.27	16.8	003.04	058.75	0397.6	00.76	17.7
70157	000.55	003.76	0575.7	02.05	01.89	15.2	000.20	000.41	0469.6	01.15	18.1	000.12	000.05	0480.5	01.14	18.4
70202	000.43	004.86	0690.3	00.91	00.89	12.7	000.21	001.06	0546.5	00.57	16.2	000.20	000.15	0581.6	00.67	15.2
70206	000.67	004.70	0534.9	02.21	02.21	16.3	000.25	000.12	0441.7	01.28	20.0	000.22	001.05	0440.4	01.56	20.0
70208	001.42	007.73	0504.1	05.82	06.41	17.0	001.00	001.93	0399.6	04.20	21.9	000.47	003.58	0423.9	05.42	20.6
70262	001.73	029.59	0526.3	01.53	01.51	15.3	000.53	006.71	0500.6	01.25	17.3	000.82	003.20	0384.4	00.95	22.6
70264	001.19	009.83	0553.5	01.75	01.69	15.5	001.49	007.76	0452.8	01.06	18.9	000.52	002.06	0428.6	00.96	20.5
70274	000.75	007.51	0574.4	01.72	01.73	15.1	000.43	001.34	0458.2	01.12	19.2	000.80	005.94	0407.6	01.15	21.1
70290	000.74	005.56	0558.9	01.61	01.88	15.6	000.40	001.04	0444.2	00.93	19.8	000.37	000.06	0413.8	00.69	21.4
70340	000.90	019.93	0648.2	01.06	01.01	13.0	000.96	005.68	0511.8	00.56	16.9					
70341	002.35	027.94	0499.4	06.92	06.43	16.1	001.80	009.75	0392.5	05.37	21.4					
70343	000.58	004.15	0565.4	01.44	01.34	15.5	000.16	000.20	0442.0	00.93	20.0					
70360	002.43	015.41	0534.1	04.20	03.66	15.7	000.70	000.78	0458.3	03.97	19.2					
70428	000.82	007.42	0673.1	01.51	01.42	12.9	000.20	002.07	0551.0	00.82	16.0					
70433	001.57	017.83	0590.7	02.76	02.44	14.2	000.61	002.47	0495.6	01.86	17.7					
70439	003.86	047.50	0511.8	05.76	05.24	14.8	003.37	032.08	0409.6	05.10	18.8					
70456	002.19	023.93	0563.9	02.08	01.81	14.6	002.16	014.37	0448.2	01.47	18.6					
70465	000.53	006.26	0582.5	02.31	01.95	14.9	000.16	000.18	0464.4	01.41	19.1					
70477	000.65	004.42	0544.0	02.52	02.08	16.0	000.21	000.05	0441.2	01.65	20.1					
70547	000.74	006.13	0540.6	02.36	01.97	16.0	000.22	000.48	0435.4	01.50	20.3					
70548	000.75	004.31	0536.1	03.17	02.65	16.3	000.19	000.01	0427.4	02.03	20.7					
70550	000.55	002.69	0547.2	02.06	01.97	16.0	000.11	000.21	0420.7	01.23	21.0					
70554	001.17	010.92	0509.5	02.35	02.05	16.7	000.40	000.62	0415.0	01.80	21.2					
70562	001.59	009.93	0516.9	01.72	01.55	16.5	001.16	005.25	0406.0	00.97	21.2					
70589	000.75	007.15	0602.8	01.73	01.41	14.4	000.26	000.80	0466.7	01.02	18.9					
70639	001.07	006.42	0540.5	03.43	02.70	16.0	000.45	001.62	0422.3	01.90	20.8					
76020	002.06	033.71	0521.3	02.43	02.26	15.3	002.07	015.03	0398.3	01.71	20.7	001.23	005.19	0472.1	02.64	18.3
76027	002.34	032.23	0529.4	02.13	01.96	15.1	001.88	013.09	0420.9	01.50	19.8	001.81	010.94	0457.4	02.22	18.5

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=58   MODEL YR(S)=1977

MAKE=PONT OLDS BUICK   MODEL=OLDS 88 LESABRE ELECTRA RIVIERA OLDS 98 CATALINA

	-------------FTP RESULTS-------------						-HTS FED SHORT CYCLE RESULTS-					-DEQ FED SHORT CYCLE RESULTS-				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70030	000.54	003.53	0645.0	02.07	01.85	13.6	000.39	001.67	0509.5	01.95	17.3	000.46	006.70	0520.7	02.24	16.6
70040	000.71	004.55	0636.4	02.90	02.42	13.7	000.71	000.61	0490.6	02.36	18.0	000.22	000.20	0524.5	02.46	16.9
70049	000.84	005.91	0597.4	02.51	02.24	14.6	000.27	000.57	0467.7	01.82	18.9	000.35	002.85	0490.2	01.88	17.9
70060	001.40	019.00	0602.8	07.85	06.94	13.9	001.42	009.60	0476.8	05.17	17.9	001.53	013.02	0487.4	04.77	17.3
70061	000.54	002.61	0608.1	02.37	02.06	14.4	000.24	000.47	0490.4	01.83	18.0	000.23	000.69	0504.5	02.13	17.5
70118	000.76	007.51	0585.9	01.34	01.24	14.8	000.34	001.61	0460.5	00.91	19.1	001.16	026.20	0458.3	00.85	17.6
70142	000.56	001.85	0609.4	02.63	02.35	14.4	000.29	000.00	0489.9	02.43	18.1	000.24	000.54	0513.3	02.78	17.2
70152	001.19	021.16	0628.0	02.42	02.39	13.3	000.99	013.88	0519.9	02.36	16.3	001.14	019.10	0518.4	01.92	16.1
70207	000.52	005.12	0709.7	00.67	01.00	12.3	000.67	018.32	0529.8	00.50	15.8	001.05	016.79	0488.2	01.32	17.1
70211	000.84	013.49	0723.2	00.85	00.84	11.9	002.34	063.89	0523.7	00.42	14.0	001.79	034.06	0473.4	01.06	16.7
70214	001.17	009.51	0712.3	02.14	02.16	12.1	001.03	011.30	0548.6	00.95	15.6	001.50	027.93	0572.3	00.89	14.3
70246	000.64	001.42	0610.7	01.67	01.57	14.4	000.42	000.05	0475.7	01.82	18.6	000.39	000.03	0494.5	02.05	17.9
70257	000.72	002.80	0582.3	01.64	01.79	15.1	000.42	002.71	0450.4	01.59	19.4	000.35	001.68	0471.3	02.69	18.7
70276	000.97	005.70	0606.8	02.82	02.69	14.3	000.54	000.98	0498.6	02.51	17.7	001.76	019.49	0430.2	01.60	19.0
70301	002.63	043.57	0566.3	05.07	05.12	13.8	002.62	040.56	0452.2	03.65	16.9	002.84	034.11	0454.9	04.19	17.1
70334	001.89	023.00	0591.7	01.65	01.57	14.0	001.99	033.48	0472.6	01.05	16.7					
70344	001.75	017.01	0589.0	01.71	01.61	14.3	001.13	008.11	0484.0	01.92	17.7					
70346	002.56	031.77	0559.0	01.53	01.48	14.4	002.97	035.14	0428.9	00.95	18.0					
70351	000.56	003.38	0622.6	02.30	02.02	14.1	000.71	007.85	0465.4	01.72	18.5					
70442	000.60	006.49	0692.1	01.73	01.62	12.6	001.49	017.11	0561.3	01.39	15.0					
70448	001.69	022.37	0629.5	01.83	01.57	13.2	001.55	015.91	0498.2	01.45	16.8					
70449	000.63	003.89	0640.2	01.91	01.65	13.7	000.22	001.45	0510.1	01.56	17.3					
70458	000.41	001.67	0621.4	01.97	01.66	14.2	000.20	000.23	0480.7	02.00	18.4					
70462	001.08	007.04	0591.4	02.68	02.40	14.6	000.46	004.23	0469.1	02.41	18.6					
70494	001.19	012.82	0599.7	01.66	01.41	14.2	000.76	005.11	0491.8	01.35	17.7					
70495	000.70	003.38	0604.0	02.02	01.70	14.5	000.27	001.22	0473.0	01.25	18.6					
70537	001.23	005.20	0625.7	04.24	03.69	13.9	000.77	007.58	0483.7	02.98	17.8					
70540	000.76	003.65	0603.0	01.79	01.45	14.5	000.49	003.58	0456.4	01.27	19.1					
70582	000.69	002.67	0590.4	02.67	02.20	14.9	000.61	008.32	0462.2	02.20	18.6					
70594	002.30	028.75	0577.7	01.72	01.48	14.1	002.67	026.58	0433.4	00.97	18.3					
70597	002.32	030.92	0544.5	02.70	02.21	14.8	002.25	018.59	0419.6	01.67	19.4					
70606	003.43	034.91	0491.4	01.80	01.51	15.9	003.18	042.69	0476.0	01.88	16.0					
70624	000.72	005.12	0649.6	02.43	01.95	13.4	000.66	009.60	0417.2	01.18	20.4					
70659	000.56	002.98	0596.6	02.32	01.91	14.7	000.60	005.05	0470.7	01.66	18.5					
76026	001.49	008.20	0630.7	02.42	02.23	13.7	000.62	000.68	0495.4	01.61	17.8	001.24	002.51	0525.5	02.25	16.6
76036	000.66	003.47	0634.8	02.55	02.43	13.8	000.47	001.95	0491.5	02.15	17.9	000.40	000.11	0513.4	02.31	17.2

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=59   MODEL YR(S)=1977

MAKE=PONT OLDS BUICK   MODEL=FBIRD CUTLS CNTRY LEMANS OLDS 88 LESABRE REGAL CATALINA

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70031	001.36	021.10	0524.0	01.65	01.47	15.8	000.46	003.23	0436.9	00.90	20.0	000.37	003.76	0466.3	01.27	18.7
70092	003.65	084.93	0469.4	01.45	01.24	14.4	003.37	061.18	0370.1	00.75	18.6	003.02	055.75	0394.8	00.95	18.
70098	001.61	027.65	0433.9	04.61	04.42	18.4	000.96	009.24	0337.9	03.16	24.9	001.65	014.84	0374.6	04.92	22.
70106	004.57	097.65	0407.6	01.01	00.96	15.4	003.78	070.34	0326.5	00.43	19.8	003.57	058.68	0347.1	00.51	19.7
70123	005.16	063.25	0408.3	04.62	04.28	16.5	004.86	042.47	0313.9	03.61	22.4	004.89	044.45	0338.9	03.62	20.
70132	000.67	010.61	0545.6	01.63	01.66	15.7	000.27	001.89	0433.6	01.25	20.3	000.35	001.21	0438.5	01.00	20.1
70150	001.13	037.13	0564.6	00.76	00.74	13.7	000.51	019.72	0510.6	00.48	16.3	002.74	051.49	0383.0	00.82	18.
70186	000.54	010.51	0552.4	01.46	01.40	15.5	000.25	001.62	0453.0	00.72	19.4	000.21	000.79	0461.8	00.94	19.1
70187	001.21	023.03	0560.7	01.65	01.59	14.6	000.33	007.68	0476.1	01.05	18.1	000.29	003.48	0499.4	01.32	17.5
70233	002.93	056.25	0450.8	03.97	03.88	16.2	002.04	031.95	0323.3	03.12	23.3	001.44	026.23	0385.1	04.84	20.
70282	003.27	067.37	0432.5	04.72	04.31	16.2	002.59	038.75	0337.1	03.19	21.8	002.77	050.39	0338.4	02.92	20.
70283	001.58	039.78	0577.2	00.85	00.80	13.8	001.83	037.42	0442.5	00.45	17.5	001.99	039.50	0435.3	00.48	17.
70299	003.84	055.99	0429.1	03.56	03.47	16.8	003.07	023.58	0341.2	03.50	22.9	003.19	023.13	0364.7	04.63	21.
70300	002.31	040.64	0486.3	03.62	03.67	15.5	001.00	016.45	0406.0	02.48	20.4	000.70	007.80	0426.6	04.07	20.1
70317	002.16	052.48	0458.5	03.93	04.15	16.2	001.23	031.99	0363.2	02.90	21.2	002.57	049.27	0344.8	03.54	20.
70328	006.76	148.93	0410.5	03.23	02.55	13.3	005.24	113.77	0322.4	02.17	17.1					
70333	000.37	003.64	0565.4	02.25	02.11	15.5	000.15	000.00	0423.2	00.98	20.9					
70352	000.61	016.71	0537.4	01.35	01.15	15.7	000.43	003.16	0434.1	00.58	20.1					
70357	000.66	010.73	0586.0	01.50	01.35	14.7	000.27	002.10	0485.8	00.62	18.1					
70406	000.55	006.70	0512.9	02.17	01.88	16.8	000.20	001.46	0409.8	01.03	21.5					
70407	002.48	031.20	0489.3	05.94	05.71	16.2	001.70	017.02	0400.5	04.19	20.5					
70409	000.48	009.93	0568.3	01.78	01.75	15.1	000.18	000.80	0449.9	00.74	19.6					
70502	002.42	067.24	0442.7	04.12	03.78	16.0	001.73	045.36	0353.1	03.02	20.6					
70509	003.58	064.17	0441.5	01.55	01.30	16.0	002.63	042.44	0359.2	00.70	20.4					
70510	000.58	014.94	0517.9	03.45	02.82	16.3	000.16	004.78	0424.5	02.48	20.5					
70526	000.61	008.74	0541.6	01.78	01.55	15.5	000.41	000.59	0439.8	00.94	20.1					
70572	002.26	056.57	0511.2	01.23	01.09	14.6	001.49	037.95	0435.4	00.66	17.7					
70654	001.55	020.06	0500.0	01.72	01.44	16.5	000.60	006.80	0411.0	00.81	20.9					
70657	001.18	022.75	0474.2	01.66	01.40	17.3	000.74	010.91	0385.6	00.86	21.9					
70658	000.55	008.80	0527.2	02.07	01.71	16.3	000.22	001.92	0421.3	01.14	20.9					
70668	001.47	029.43	0469.8	01.65	01.40	17.0	001.22	011.16	0376.6	00.74	22.3					
70670	000.69	011.41	0523.1	01.31	01.12	16.3	000.19	000.89	0413.8	00.64	21.3					
76019	009.08	098.71	0440.8	06.21	05.27	14.2	009.25	073.99	0308.3	04.46	19.5	006.59	062.50	0363.1	04.81	18.
76029	004.25	073.39	0425.4	04.55	04.30	16.0	003.37	045.96	0326.3	03.78	21.7	003.58	048.08	0381.4	05.03	18.
76044	002.23	041.96	0486.9	04.54	03.96	15.8	001.43	026.91	0365.6	03.95	21.5					
76045	001.79	043.86	0504.6	01.14	01.07	15.3	001.25	024.32	0413.0	00.62	19.5					
76048	001.34	025.48	0522.3	01.50	01.29	15.7	000.72	010.59	0386.8	00.67	21.9					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=60   MODEL YR(S)=1977

MAKE=OLDS   MODEL=CUTLASS OLDS 88

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70001	000.51	004.97	0601.8	01.35	01.36	14.5	000.12	000.00	0465.7	01.19	19.0	000.13	000.19	0509.3	01.48	17.
70002	000.51	005.72	0616.2	01.27	01.22	14.2	000.10	000.03	0466.6	01.20	19.0	000.14	002.74	0497.7	01.42	17.
70011	000.65	004.76	0623.6	01.36	01.18	14.0	000.12	000.01	0456.5	01.24	19.4	000.23	001.27	0526.6	01.18	16.
70041	000.55	003.86	0596.5	02.11	01.78	14.7	000.20	000.01	0452.3	01.78	19.6	000.36	000.66	0483.8	01.84	18.
70054	001.48	016.18	0577.5	01.71	01.57	14.6	001.06	002.97	0461.7	01.44	18.9	000.49	001.42	0458.2	01.44	19.2
70058	000.56	004.59	0562.4	02.40	02.32	15.5	000.30	002.76	0437.5	02.39	20.0	000.17	000.31	0457.9	02.67	19.
70073	000.80	006.07	0580.9	01.88	01.60	15.0	000.40	000.02	0438.6	01.69	20.2	000.33	000.06	0431.4	01.85	20.5
70093	000.57	002.99	0609.2	01.55	01.40	14.4	000.28	000.31	0463.5	01.63	19.1	000.33	000.46	0463.9	01.71	19.
70108	001.13	008.72	0591.8	01.25	01.20	14.6	000.38	001.41	0467.3	01.07	18.8	000.89	003.48	0459.4	01.15	19.
70128	003.25	052.81	0519.6	01.98	01.76	14.5	001.94	015.94	0434.3	01.51	19.1	001.79	013.05	0439.7	01.52	19.
70133	000.62	004.15	0609.8	01.58	01.42	14.3	000.30	000.02	0469.0	01.40	18.9	000.27	000.15	0503.0	01.52	17.
70136	001.94	023.94	0534.8	01.62	01.44	15.3	001.77	013.43	0437.4	01.35	19.1	002.19	020.19	0435.9	01.96	18.7
70177	001.49	012.02	0577.1	01.75	01.76	14.8	001.03	005.12	0451.5	01.59	19.2	001.26	006.15	0458.5	01.81	18.
70224	001.70	022.39	0556.8	05.85	05.46	14.8	001.38	011.24	0446.7	03.64	18.9	003.39	071.10	0407.5	03.10	16.7
70235	004.77	052.86	0486.9	01.93	02.04	15.2	004.65	034.90	0394.5	01.57	19.1	003.71	029.78	0396.5	01.82	19.5
70279	000.66	002.34	0565.6	01.53	01.45	15.5	000.21	000.15	0432.4	01.19	20.5	000.18	000.10	0417.9	01.13	21.
70304	000.67	003.68	0587.2	01.18	01.15	14.9	000.21	000.01	0461.2	00.95	19.2	000.30	000.06	0494.7	00.72	17.
70311	000.66	005.56	0624.0	06.98	06.89	14.0	000.46	002.34	0452.1	03.52	19.4	000.47	000.79	0466.7	05.09	18.
70316	000.71	006.76	0590.0	01.15	01.18	14.7	000.34	003.26	0439.0	00.88	19.9	000.54	002.36	0451.9	01.09	19.4
70322	000.59	003.12	0597.8	01.77	01.68	14.7	000.32	000.01	0466.2	01.57	19.0					
70324	000.61	007.88	0632.4	00.96	00.88	13.7	000.46	005.13	0473.7	00.47	18.4					
70394	001.25	010.59	0577.3	01.73	01.63	14.8	000.45	000.21	0471.1	01.23	18.8					
70513	000.52	004.44	0633.8	01.24	01.01	13.8	000.24	000.28	0483.3	00.83	18.3					
70541	006.31	058.03	0496.6	02.89	02.38	14.6	006.96	050.05	0375.7	01.69	18.6					
70542	001.34	009.43	0465.0	01.76	01.42	18.3	000.21	000.42	0446.1	02.31	19.8					
70574	000.73	005.48	0569.4	06.47	06.03	15.3	000.29	001.65	0431.2	03.77	20.4					
70586	001.25	010.92	0563.7	01.45	01.18	15.2	000.35	000.95	0425.5	01.27	20.7					
70599	000.60	005.09	0556.2	02.68	02.23	15.6	000.31	002.16	0412.6	01.44	21.3					
70630	000.63	004.33	0567.2	02.53	01.98	15.4	000.21	000.11	0445.2	02.16	19.9					
70653	001.31	009.51	0543.8	06.98	05.85	15.8	000.23	000.04	0428.2	04.95	20.7					
70666	001.52	028.06	0579.9	02.18	01.81	14.1	000.71	009.82	0459.7	01.62	18.6					
70672	001.54	013.38	0540.1	02.15	01.85	15.7	000.68	007.92	0445.7	01.77	19.3					
74002	000.68	007.18	0644.8	02.09	01.92	13.5	000.25	000.03	0472.1	01.96	18.8	000.19	000.67	0455.4	02.45	19.4
74003	000.65	003.03	0565.7	07.57	07.15	15.5	000.20	000.04	0444.2	05.63	19.9	000.35	000.07	0465.3	06.73	19.0
74027	000.84	010.83	0636.9	01.44	01.30	13.5	000.28	001.56	0510.8	01.29	17.2	000.75	003.84	0444.8	01.35	19.6
76001	001.55	018.60	0565.0	01.73	01.62	14.8	000.88	002.56	0470.8	01.05	18.6	001.50	018.48	0446.7	01.60	18.5
76002	001.48	015.44	0561.5	01.38	01.27	15.0	001.21	009.90	0426.5	00.68	19.9	000.56	002.17	0457.2	01.21	19.2
76039	001.60	018.13	0582.2	01.47	01.34	14.4	001.21	005.81	0449.6	01.11	19.2	001.18	003.18	0456.1	01.62	19.1
76040	001.21	012.46	0563.9	01.48	01.44	14.6	000.47	001.04	0451.2	01.27	19.5	000.55	002.53	0463.3	01.71	18.9

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=61 MODEL YR(S)=1975,1976

MAKE=TOYOTA MODEL=CORONA

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50020	001.35	014.94	0435.6	03.24	02.84	19.1	001.00	010.69	0348.8	01.77	24.0	000.97	007.73	0381.5	02.55	22.4
50024	000.96	010.51	0434.6	04.03	03.41	19.1	000.64	011.43	0351.0	02.07	23.9	000.71	009.73	0399.5	02.55	21.3
50030	000.83	011.94	0479.0	04.57	03.96	17.7	000.71	012.16	0403.2	03.48	20.9	000.81	008.32	0455.8	04.76	18.8
50047	001.83	016.62	0413.7	05.00	04.74	19.9	001.02	013.65	0340.4	03.76	24.3	001.43	009.80	0316.2	03.80	26.4
50046	001.01	013.52	0463.5	04.16	03.77	17.5	000.47	013.17	0398.2	02.44	21.1	000.54	011.06	0387.0	02.27	21.8
50049	000.87	010.14	0464.2	02.96	02.84	18.4	000.35	007.03	0388.2	01.97	22.2	000.54	005.91	0387.3	02.22	22.3
50050	001.03	010.66	0447.5	04.31	03.67	19.0	000.55	007.54	0365.2	02.51	23.4	000.65	010.91	0327.6	01.88	25.6
50069	000.95	008.24	0504.4	02.66	02.55	17.0	000.42	004.62	0409.4	01.42	21.2	000.41	003.94	0422.7	01.58	20.6
50122	000.87	017.04	0436.8	03.31	03.01	19.0	000.53	014.44	0355.3	01.84	23.4	000.69	012.28	0387.3	02.19	21.7
50135	003.42	036.66	0404.9	06.59	06.34	18.7	002.23	025.20	0321.3	04.91	24.1	002.15	022.71	0356.3	06.07	22.2
50141	002.05	020.36	0467.0	02.53	02.48	17.5	000.62	014.35	0387.1	01.23	21.5	000.56	013.26	0378.1	01.35	22.1
50206	001.02	013.84	0442.3	03.99	04.44	19.0	000.52	014.65	0382.6	02.31	21.8	000.66	010.56	0363.4	02.78	23.2
50218	001.45	012.42	0426.5	02.68	02.53	19.7	000.87	006.43	0359.0	01.59	23.8	000.81	006.07	0360.5	01.90	23.8
50221	000.97	015.29	0479.6	01.79	01.66	17.5	000.50	009.38	0392.7	00.94	21.7	000.68	012.71	0390.3	01.11	21.5
50253	000.70	010.01	0487.3	02.63	02.65	17.6	000.37	009.77	0400.2	01.52	21.3	000.53	008.29	0395.5	01.67	21.6
50263	001.35	010.53	0484.8	02.69	02.52	17.5	000.65	005.90	0396.2	01.76	21.8	000.64	006.73	0402.2	02.11	21.4
50264	000.99	011.48	0456.1	03.14	02.94	18.6	000.67	008.42	0356.2	01.79	23.9	000.62	007.85	0379.5	02.02	22.5
50358	001.17	011.64	0507.6	03.31	03.02	16.7	000.58	009.79	0404.2	01.84	21.0					
50373	001.00	010.70	0470.5	03.24	02.91	18.1	000.33	006.49	0393.3	01.79	21.9					
50437	001.01	011.49	0490.0	02.79	02.61	17.3	000.57	012.63	0398.1	01.44	21.1					
50477	000.33	001.68	0455.5	02.35	01.97	19.3	000.18	000.27	0369.1	01.55	24.0					
50533	001.09	017.63	0441.9	03.95	03.16	18.7	000.44	011.36	0365.7	01.48	23.0					
54036	000.96	010.56	0459.2	02.59	02.31	18.5	000.44	008.11	0402.1	01.49	21.3	000.62	007.56	0409.0	01.54	21.0
54037	000.78	011.15	0457.2	04.03	03.53	18.6	000.97	010.45	0379.9	02.05	22.2	000.52	005.79	0400.6	02.33	21.6
60080	001.14	013.30	0432.1	03.64	03.24	19.4	000.57	007.43	0329.8	01.96	25.8	000.75	005.85	0355.3	02.38	24.2
60081	000.84	012.41	0478.9	03.94	03.53	17.7	000.70	007.64	0395.2	02.91	21.7	000.60	005.90	0391.9	02.92	22.0
60082	000.60	010.73	0465.2	01.74	01.46	18.0	000.24	010.05	0392.1	00.82	21.7	000.29	010.20	0381.8	01.00	22.2
60402	000.38	004.66	0479.7	03.47	03.29	18.2	000.17	003.08	0432.7	02.07	20.2					
60407	000.35	003.14	0552.5	01.50	01.39	15.9	000.11	000.53	0469.1	01.02	18.9					
60425	003.29	031.99	0379.2	04.87	04.56	20.2	002.35	023.51	0313.6	03.58	24.8					
60487	001.00	013.03	0488.9	03.00	02.80	17.3	000.27	010.57	0426.5	01.49	20.0					
60492	000.97	015.80	0455.5	03.58	03.15	18.3	000.42	017.97	0398.5	01.58	20.7					
60548	000.85	009.82	0463.6	01.91	01.63	17.7	000.28	007.85	0391.0	01.13	21.9					
60599	001.26	015.20	0433.4	04.63	03.83	19.2	000.87	012.63	0348.7	03.06	23.9					
60672	000.93	013.74	0469.6	03.47	02.97	17.9	000.40	009.17	0379.2	01.53	22.5					
60676	001.04	015.21	0468.2	03.08	02.76	17.9	000.37	015.03	0386.2	01.30	21.6					
60725	002.48	040.46	0391.8	02.76	02.28	19.1	001.73	037.39	0303.1	01.47	24.1					
64002	000.62	030.63	0379.8	02.64	02.54	20.6	000.76	027.97	0314.2	01.41	24.6	000.96	026.46	0303.3	01.60	25.5
64049	000.95	012.64	0465.2	02.96	02.64	18.2	000.61	008.59	0404.4	02.58	21.1	000.86	010.08	0412.1	02.91	20.6

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=62 MODEL YR(S)=1977

MAKE=TOYOTA MODEL=CORONA

	FTP RESULTS						HTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
70062	000.45	014.07	0439.0	02.16	01.80	19.2	000.21	009.64	0384.8	01.46	22.1	000.32	011.57	0382.8	01.87	22.1
70063	000.77	014.64	0430.9	01.94	01.60	19.4	000.41	011.03	0347.8	01.46	24.2	000.50	010.07	0360.0	01.59	23.5
70076	000.44	013.49	0494.4	01.90	01.61	17.2	000.17	008.89	0406.4	01.24	21.1	000.39	010.13	0410.1	01.49	20.8
70111	001.17	026.83	0414.6	02.73	03.00	19.3	000.63	018.69	0332.2	02.38	24.3	000.66	020.01	0338.5	02.21	23.8
70114	000.54	017.89	0444.4	01.42	01.49	18.7	000.41	015.64	0366.8	01.10	22.6	000.51	014.40	0374.2	01.42	22.3
70138	000.50	012.92	0462.0	02.00	01.85	18.3	000.33	010.37	0378.2	01.66	22.4	000.33	008.48	0395.9	01.99	21.6
70198	000.47	012.02	0485.7	01.32	01.40	17.5	000.50	010.25	0498.0	01.98	17.2	000.60	006.15	0396.4	01.38	21.7
70199	000.57	019.34	0471.9	01.66	01.67	17.6	000.35	016.33	0390.0	01.26	21.3	000.48	013.78	0374.7	01.29	22.3
70203	000.47	013.88	0461.3	01.40	01.35	18.3	000.21	011.12	0416.9	00.69	20.4	000.17	008.09	0411.1	00.94	20.9
70204	000.93	015.58	0427.2	01.18	01.25	19.5	000.52	010.67	0343.2	00.83	24.5	000.60	011.07	0355.9	01.23	23.6
70255	000.47	012.25	0503.2	01.34	01.42	16.9	000.19	008.18	0434.0	00.93	19.8	000.22	007.37	0460.4	00.85	18.8
70256	000.41	011.46	0509.5	01.30	01.38	16.8	000.10	008.36	0429.1	00.92	20.0	000.24	006.29	0461.1	00.99	18.7
70265	000.84	017.05	0464.6	01.15	01.11	18.0	000.32	012.95	0377.2	00.82	22.2	000.30	013.06	0391.3	01.07	21.5
70303	000.38	009.48	0529.0	00.97	00.99	16.3	000.11	007.15	0440.0	00.60	19.6	000.37	010.32	0424.2	01.05	20.1
70310	000.88	013.94	0474.4	01.06	01.16	17.8	000.64	010.00	0381.4	00.61	22.2	000.78	011.37	0380.5	00.89	22.1
70332	001.99	018.66	0475.6	01.63	01.54	17.3	000.86	014.93	0389.7	01.27	21.3					
70336	000.87	015.48	0470.2	01.66	01.60	17.8	000.34	010.41	0390.4	00.99	21.7					
70338	001.08	017.68	0428.2	02.76	02.70	19.3	000.68	017.44	0339.3	02.35	24.0					
70347	000.69	015.83	0470.2	01.75	01.54	17.8	000.35	011.70	0375.7	00.85	22.4					
70405	000.79	014.15	0470.2	01.65	01.50	17.9	000.47	012.51	0384.7	01.12	21.8					
70430	001.01	017.75	0481.7	01.54	01.43	17.3	000.74	017.99	0392.0	01.07	21.0					
70431	001.12	016.42	0465.8	01.35	01.23	17.2	000.61	010.19	0404.4	01.09	21.0					
70436	001.33	014.38	0480.4	02.11	01.88	17.5	000.92	009.60	0389.7	01.63	21.8					
70451	000.62	013.83	0480.7	02.03	01.73	17.6	000.25	010.46	0394.6	01.55	21.5					
70518	001.29	016.24	0453.8	02.52	02.00	18.3	000.87	013.18	0355.6	01.90	23.4					
70538	001.10	015.02	0454.6	01.54	01.35	18.4	000.66	010.76	0362.7	00.91	23.2					
70539	000.68	015.74	0481.4	01.78	01.44	17.4	000.24	011.01	0382.4	01.29	22.1					
70545	001.14	014.91	0442.3	01.73	01.45	18.9	000.77	010.04	0365.5	01.02	23.1					
70551	000.51	017.34	0403.9	01.55	01.40	20.5	000.26	010.90	0353.9	00.84	23.8					
70559	000.62	017.60	0422.3	01.59	01.46	19.6	000.40	012.47	0326.5	01.13	25.4					
70573	000.55	013.65	0447.6	01.93	01.64	18.8	000.26	008.78	0361.7	01.27	23.6					
70592	000.90	014.95	0454.7	01.93	01.58	18.4	000.49	009.44	0344.9	01.03	24.5					
70636	000.38	013.38	0517.5	01.31	01.05	16.4	000.14	007.88	0423.9	00.75	20.3					
70641	000.96	017.36	0467.4	00.83	00.66	17.8	000.44	008.57	0369.3	00.60	23.1					
70644	000.54	014.24	0466.8	01.73	01.37	18.1	000.32	010.98	0369.9	01.17	22.8					

APPENDIX B - FTP AND FEDERAL SHORT CYCLE TEST RESULTS

CELL NO=63   MODEL YR(S)=1975,1976

MAKE=CADILLAC   MODEL=CALAIS DEVILLE

	FTP RESULTS						MTS FED SHORT CYCLE RESULTS					DEQ FED SHORT CYCLE RESULTS				
EPA NO	HC	CO	CO2	NOX	NOXC	MPG	HC	CO	CO2	NOX	MPG	HC	CO	CO2	NOX	MPG
50006	001.26	018.22	0727.5	02.60	02.20	11.7	000.97	017.27	0560.1	01.76	15.0	000.35	000.36	0642.5	02.39	13.8
50091	002.19	051.08	0711.0	03.34	02.94	11.1	001.79	054.34	0545.2	02.43	13.9	001.62	039.66	0585.2	02.87	13.6
50129	001.48	025.67	0739.9	01.43	01.31	11.3	002.10	042.87	0567.2	01.23	13.8	002.60	049.34	0573.5	01.55	13.5
50200	000.93	022.50	0746.1	01.42	01.31	11.3	001.05	013.94	0579.0	01.14	14.7	001.36	032.33	0610.4	01.25	13.3
50212	000.71	003.62	0635.5	04.15	04.21	10.5	000.44	004.02	0737.3	03.20	11.9	001.80	048.35	0629.4	01.85	12.5
50270	002.44	041.88	0764.2	02.52	02.32	10.6	001.92	026.76	0578.3	01.59	14.2	001.84	034.21	0601.6	01.51	13.4
50287	001.31	044.66	0859.9	00.90	00.69	09.5	001.84	071.79	0616.2	00.61	12.1	001.15	045.49	0676.7	00.58	11.8
50339	000.93	011.50	0734.5	02.08	01.56	11.7	001.35	016.07	0573.1	01.53	14.7					
50345	002.40	053.05	0712.6	01.43	01.34	11.0	002.18	065.47	0518.6	00.88	14.1					
50350	002.52	055.28	0804.6	01.30	01.20	09.9	002.18	049.59	0543.2	00.76	14.1					
50409	001.35	010.34	0745.1	05.50	04.51	11.6	001.55	025.92	0563.1	04.17	14.6					
50410	001.15	008.60	0823.5	05.28	04.51	10.5	002.23	027.30	0603.1	04.65	12.4					
50411	002.54	036.01	0743.9	02.17	01.82	11.0	003.27	038.40	0560.1	01.78	14.1					
50478	003.93	068.99	0632.6	03.12	02.64	11.8	003.58	049.18	0504.4	02.49	15.0					
50486	003.95	097.04	0614.4	01.65	01.45	11.4	003.60	080.45	0470.6	01.32	14.6					
50492	003.43	079.91	0763.4	04.21	03.73	09.9	003.56	113.97	0568.7	02.10	11.7					
50506	000.82	016.48	0928.6	01.32	01.08	09.3	002.10	081.10	0610.1	00.67	11.9					
50510	002.08	023.15	0747.0	03.56	03.08	11.2	001.52	019.13	0831.2	03.91	10.2					
56026	003.06	052.41	0693.7	01.66	01.43	11.3	003.67	043.29	0538.1	01.06	14.4	001.89	019.06	0624.1	00.90	13.4
56027	004.11	086.91	0603.3	01.84	01.68	10.9	004.49	102.42	0941.6	02.44	07.9	003.15	083.62	0597.5	01.89	12.0
56040	006.35	111.51	0642.3	02.38	02.11	10.6	005.14	078.22	0486.5	01.41	14.2					
60012	000.44	005.35	0794.0	01.88	01.71	11.0	000.64	009.80	0559.5	00.79	15.4	000.19	000.09	0689.5	01.20	12.8
60084	001.03	014.16	0803.6	01.67	01.43	10.7	001.69	022.33	0613.5	00.93	13.6	002.12	036.02	0598.7	00.93	13.4
60172	001.84	018.53	0793.0	07.05	06.63	10.7	002.58	031.60	0640.8	04.63	12.7	002.72	027.39	0559.5	05.43	14.5
60161	000.90	005.69	0809.1	03.45	03.19	10.8	002.28	030.02	0638.0	02.28	12.8	000.83	002.90	0676.3	02.71	13.0
60253	000.61	004.46	0761.6	02.63	02.97	11.5	001.26	014.98	0639.6	02.09	13.3	001.25	014.64	0645.5	03.15	13.2
60263	002.63	028.44	0700.0	01.26	01.44	11.8	003.60	038.00	0561.5	00.73	14.0	003.12	034.43	0578.7	01.05	13.8
60332	000.67	003.85	0720.5	02.68	02.66	12.2	001.12	008.23	0578.8	01.95	14.9	000.38	000.69	0576.2	02.38	15.3
60392	000.73	004.30	0850.3	02.60	02.33	10.6	001.65	028.05	0619.0	01.45	13.3					
60469	001.21	015.98	0761.2	01.90	01.68	11.2	002.01	051.03	0575.2	01.10	13.4					
60523	003.13	043.28	0768.6	03.29	02.87	10.5	004.35	066.22	0535.1	01.29	13.6					
60621	000.73	007.16	0860.2	01.37	01.18	10.1	001.21	027.00	0618.4	00.73	13.3					
60730	000.79	010.94	0708.1	02.63	02.15	11.3	001.07	010.42	0595.5	01.45	14.4					
64052	000.97	005.38	0743.2	02.79	02.68	11.7	001.25	003.89	0570.8	01.79	15.3	003.00	067.74	0506.8	01.11	14.2
66046	004.34	092.83	0668.5	02.08	01.70	10.7	005.48	149.26	0430.4	00.58	13.0					

APPENDIX C - IDLE TEST RESULTS

Legend

HC - Hydrocarbon (Hexane) Emissions in Parts per Million (ppm)

CO - Carbon Monoxide in Percent

RPM - Engine Idle RPM

NOX - Oxides of Nitrogen in ppm

1ST - Initial Idle Test

2500 - High Idle Test

2ND - Second Idle Test

S - Pass/Fail Status (1 = Pass, 2 = Fail, 3 = Fail-Disconnect, 4 = Fail-Dilution, 5 = Fail-Smoke, 6 = Fail-Idle RPM and Smoke, 7 = Fail-Idle RPM and Disconnect, 8 = Fail-Smoke and Dilution, 9 = Fail-Smoke and Disconnect)

APPENDIX C - IDLE TEST RESULTS

CELL NO=01 MODEL YR(S)=1975,1976

MAKE=AMC MODEL=GREMLIN HORNET PACER

	DEG IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50062	0045	0040	0070	1	00.1	00.5	00.1	1	0700	0700	1	0050	0040	0060	00.1	00.4	00.1	0090	0490	0110	0570	0600
50094	0040	0070	0090	1	00.1	02.0	00.3	1	0550	0550	1	0060	0050	0100	00.2	01.4	00.3	0140	0400	0120	0560	0600
50148	0165	0780	0405	1	00.1	00.1	00.1	1	0800	0800	1	0280	0050	0430	00.1	00.2	00.1	0090	0450	0080	0780	0790
50149	0270	0100	0415	2	07.6	00.5	07.1	2	0600	0600	1	0340	0080	0280	08.7	00.3	08.5	0140	0500	0130	0500	0530
50154	0120	0060	0120	1	04.4	00.4	03.9	2	0800	0800	1	0130	0050	0120	02.2	00.5	03.1	0100	0340	0110	0720	0740
50197	0150	0090	0170	1	06.3	02.1	06.0	2	0650	0650	1	0190	0050	0190	06.9	00.6	07.0				0530	0550
50209	0095	0050	0160	1	01.6	00.7	01.6	2	0750	0800	1	0100	0060	0100	00.6	01.3	01.1				0710	0750
50257	0175	0145	0255	1	05.1	03.5	05.3	2	0800	0800	1	0180	0100	0210	04.1	02.4	04.9				0770	0820
50258	0040	0040	0040	1	00.0	00.0	00.0	1	0900	0900	1	0020	0010	0030	00.0	00.0	00.0				0730	0770
50301	0145	0140	0155	1	00.7	01.5	00.6	1	0675	0675	1	0120	0080	0080	00.2	01.9	00.5				0620	0690
50315	0140	0030	0110	1	03.8	00.1	02.0	1	0600	0600	1	0190	0090	0190	03.3	00.5	03.9				0620	0640
50340	0090	0040	0115	1	03.1	00.4	03.3	2	0800	0800	1	0100	0040	0120	02.1	00.2	03.1				0820	0840
50370	0120	0070	0235	1	02.8	01.1	03.0	2	0750	0750	1	0160	0060	0170	02.6	00.5	03.7				0700	0710
50381	0055	0030	0060	1	00.6	00.1	00.8	1	1000	1000	3	0120	0060	0120	00.7	00.4	01.3	0120	0400	0140	0930	0960
50426	0080	0040	0155	1	02.4	00.2	02.3	2	0650	0650	1	0140	0040	0130	01.9	00.1	02.3	0100	0160	0100	0690	0720
50445	0045	0045	0180	1	00.1	00.8	00.1	1	0600	0600	3	0040	0020	0190	00.1	00.1	00.1	0080	0330	0060	0560	0520
50447	0320	0720	0290	1	05.7	00.5	05.8	2	0550	0600	1	0130	0080	0170	03.1	00.6	04.0	0140	0700	0140	0880	0600
50489	0140	0280	0190	1	07.8	04.2	07.5	2	0700	0700	1	0130	0030	0220	05.2	00.3	08.2	0140	0420	0110	0780	0560
50524	1205	0910	1290	2	04.4	00.6	04.5	2	0800	0850	1	1960	0270	1160	02.6	00.3	04.0	0040	0160	0040	0760	0770
54021	0065	0035	0095	1	00.1	00.1	00.1	1	0700	0700	1	0070	0010	0060	00.1	00.1	00.3	0130	0130	0160	0770	0830
56008	0250	0145	0345	2	08.5	02.3	08.6	2	0850	0850	1	0240	0100	0250	07.2	02.4	08.9	0140	0540	0140	0810	0800
60001	0020	0020	0035	1	00.2	00.1	00.1	1	1050	1050	1	0040	0020	0030	00.3	00.0	00.3	0050	0320	0100	0740	1020
60102	0025	0030	0140	1	00.3	00.1	00.3	1	0750	0800	1	0040	0030	0060	00.1	00.1	00.1	0100	0260	0100	0640	0670
60220	0050	0030	0080	1	00.6	00.1	00.5	1				0070	0030	0060	01.3	00.1	00.6	0040	0190	0040	0670	0680
60289	0085	0060	0095	1	02.7	00.6	02.3	2	0850	0850	1	0070	0030	0090	02.4	00.8	02.7				0880	0910
60305	0110	0140	0130	1	04.4	03.4	03.8	2	0900	0900	1	0140	0080	0140	02.0	00.5	02.4				0950	0840
60418	0140	0104	0230	1	02.3	02.0	01.0	1				0130	0090	0140	00.8	00.2	00.5				0590	0600
60440	0070	0035	0080	1	00.1	00.1	00.1	1	0600	0600	1	0090	0020	0080	00.1	00.1	00.4				0590	0670
60466	0150	0140	0185	1	05.2	02.4	04.9	2	0750	0750	1	0190	0100	0190	04.7	01.9	04.9	0130	0430	0150	0800	0810
60500	0075	0070	0105	1	01.4	00.8	00.9	1	0950	0950	1	0160	0090	0090	00.2	02.2	00.6	0080	0360	0120	0640	0810
60514	0050	0040	0070	1	00.1	00.4	00.1	1	0700	0700	1	0090	0030	0050	00.1	00.2	00.1	0075	0400	0100	0630	0670
60541	0035	0045	0070	1	00.1	00.2	00.1	1	0600	0600	1	0100	0040	0070	00.1	00.4	00.1	0060	0440	0080	0630	0660
60653	0605	0145	0470	2	00.1	00.3	00.1	1			5	0280	0070	0800	01.3	00.2	00.4	0120	0540	0080	0770	0720
64004	0090	0115	0110	1	00.2	01.6	00.1	1	0800	0800	1	0050	0030	0050	00.1	00.4	00.1	0120	0500	0150	0740	0760
64019	0045	0075	0095	1	00.1	00.1	00.1	1	0800	0850	1	0060	0020	0060	00.5	00.1	00.4	0150	0200	0170	0840	0700
66010	0065	0030	0145	1	01.9	00.3	02.1	2	0750	0800	1	0120	0050	0120	02.5	00.3	02.0				0660	0690
66014	0105	0065	0175	1	02.8	00.3	02.5	2	0650	0650	1	0170	0030	0160	03.0	00.1	02.7	0140	0410	0150	0600	0630

APPENDIX C - IDLE TEST RESULTS

CELL NO=03 MODEL YR(S)=1975,1976,1977

MAKE=AUDI VW MODEL=FOX DASHER

	DEG IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50063	0145	0100	0145	1	04.1	00.9	04.0	2	1000	1000	1	0130	0070	0120	03.5	01.3	03.8	0120	0200	0120	1010	1040
50078	0100	0110	0200	1	03.1	01.1	03.1	2	1050	1050	1	0120	0060	0120	02.4	00.6	02.3				1010	1020
50296	0100	0070	0120	1	04.0	00.8	03.9	2	1200	1100	1	0140	0100	0120	03.1	00.8	03.4				1010	1060
50320	0085	0065	0085	1	02.7	00.8	02.8	2	0950	0950	1	0090	0040	0090	01.9	00.2	02.2				0890	0890
50324	0655	0180	0650	1	00.1	00.0	00.1	1	1500	1500	2	1450	0130	1400	00.4	00.1	00.3				1400	1450
50353	0075	0065	0075	1	01.4	00.7	00.9	1	0850	0850	1	0060	0040	0060	00.7	00.2	00.7				0930	0980
50377	0220	0130	0250	2	02.2	00.2	02.1	2	0800	0800	1	0090	0040	0230	00.9	00.1	01.3	0080	0130	0090	0870	0830
50404	0360	0140	0415	2	07.6	02.8	07.0	2	0850	0850	3	0030	0030	0160	02.0	00.0	03.4	0025	0120	0040	1100	0980
50419	2000	2000	2000	2	02.2	02.2	02.4	2	1100	1100	1	2380	1030	2180	01.4	01.5	01.6	0080	0180	0080	1150	1170
50423	0075	0060	0095	1	00.8	00.1	00.6	1	1650	1700	2	0080	0020	0070	00.8	00.1	00.7	0120	0130	0110	1590	1600
50469	0050	0040	0045	1	00.0	00.0	00.0	1	1050	1050	1	0070	0040	0100	00.0	00.0	00.0	0030	0120	0030	0870	0940
50472	0080	0040	0090	1	02.4	00.4	02.3	2	1050	1100	1	0080	0020	0070	01.7	00.3	01.7	0090	0160	0090	1050	1030
56007	0240	0065	0205	1	04.2	00.8	04.1	2	1000	1050	1	0220	0080	0140	02.8	00.5	02.3				0900	0950
56010	0065	0045	0075	1	02.9	00.4	02.8	2	1000	1000	1	0140	0080	0100	02.2	00.2	02.7	0060	0100	0060	0980	1000
56036	0095	0065	0105	1	02.7	00.4	03.0	2	1050	1050	1	0090	0030	0090	01.4	00.1	01.6				1020	1020
60141	0090	0065	0080	1	02.3	01.5	02.4	2	2200	2200	2	0100	0080	0090	02.2	01.4	02.4	0120	0130	0120	2000	2020
60173	0075	0055	0190	1	01.4	00.1	01.4	2				0040	0030	0080	01.0	00.2	01.1				1000	0990
60248	0160	0060	0170	1	03.4	00.1	02.4	2	1000	1000	1	0110	0030	0090	02.6	00.2	02.9				0920	0920
60260	0040	0030	0050	1	00.8	00.1	00.9	1	1000	1000	1	0020	0020	0020	00.3	00.1	00.4				0960	0920
60293	0140	0090	0245	1	03.8	00.4	03.8	2	0900	0900	1	0150	0100	0200	03.3	00.6	03.5				0830	0820
60295	0110	0045	0095	1	04.7	00.4	04.2	2	1000	1000	1	0080	0030	0090	01.9	00.3	02.5				0930	0930
60567	0105	0110	0170	1	02.8	00.7	02.7	1	1100	1150	1	0100	0070	0120	01.9	00.3	01.9	0080	0200	0090	0950	0990
60570	0090	0070	0060	1	00.3	00.3	00.2	1	2200	2250	2	0030	0030	0030	00.2	00.1	00.2	0120	0160	0130	1570	1730
60578	0050	0030	0080	1	01.7	00.1	01.7	1	1300	1300	1	0080	0040	0080	01.9	00.4	01.9	0100	0140	0120	1350	1640
64057	0080	0060	0125	1	01.0	00.8	00.5	1	0800	0850	1	0060	0030	0080	00.4	00.2	00.6	0080	0150	0100	0840	0810
66015	0110	0080	0145	1	04.9	02.0	04.5	2	1100	1100	1	0150	0080	0150	02.7	00.7	03.2	0140	0180	0140	1020	1050
66017	0100	0065	0120	1	04.6	01.6	04.5	2	1000	1000	1	0110	0050	0120	04.8	01.2	05.3	0100	0180	0100	0960	0990
70027	0105	0045	0090	1	02.9	00.4	02.5	1	1000	1000	1	0100	0030	0060	01.3	00.5	01.4	0110	0180	0120	0950	1000
70032	0110	0060	0110	1	03.2	01.2	03.0	1	1150	1150	1	0110	0030	0110	02.1	00.4	02.5	0090	0170	0110	1020	1040
70067	0095	0135	0245	1	01.1	00.6	01.2	1	0900	0900	1	0100	0200	0140	00.8	00.3	01.0	0110	0220	0110	0870	0880
70105	0115	0060	0150	1	02.6	00.5	03.0	1	0950	0950	1	0130	0030	0140	01.8	00.4	02.9	0100	0180	0110	0850	0850
70205	0125	0085	0145	1	02.3	00.3	02.6	2	1000	1000	1	0090	0040	0090	01.1	00.2	01.3				0880	0880
70251	0135	0065	0105	1	01.5	00.4	01.3	1	0800	0800	1	0080	0050	0080	01.1	00.3	01.2				0780	0790
70478	0075	0080	0110	1	01.7	00.4	01.0	1	1000	1000	1	0080	0030	0080	01.1	00.2	01.5	0110	0180	0120	1020	1010
70568	0200	0100	0190	1	04.6	00.6	04.5	2	0950	0950	1	0170	0060	0190	02.8	00.5	03.5	0080	0160	0060	0990	0920
74011	0050	0060	0055	1	01.4	00.9	01.6	1	1100	1100	1	0080	0040	0080	01.8	00.6	02.0	0200	0260	0200	1080	1080
76007	0100	0080	0095	1	03.7	01.9	03.5	2	1100	1200	1	0120	0050	0090	02.0	00.5	02.5	0150	0220	0160	0960	0940
76031	0240	0080	0220	2	03.4	00.5	03.3	2	1000	1000	1	0190	0090	0270	03.5	00.9	03.9	0080	0220	0090	1010	0780

APPENDIX C - IDLE TEST RESULTS

CELL NO=04 MODEL YR(S)=1975,1976,1977

MAKE=HONDA MODEL=CIVIC

	D E W IDLE TEST											H T S IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50001	0075	0050	0080	1	01.3	00.6	01.2	1	1000	1000	1	0090	0030	0080	01.3	00.5	01.3	0090	0110	0080	0950	0990
50018	0070	0055	0080	1	00.3	00.3	00.3	1	1050	1050	1	0090	0030	0070	00.3	00.3	00.4	0080	0100	0070	0900	0970
50025	0075	0035	0100	1	01.0	00.4	00.5	1	1000	1000	1	0090	0020	0090	00.4	00.3	00.3	0080	0100	0080	0920	0920
50028	0160	0050	0230	1	00.1	00.1	00.1	1	1000	1000	1	0170	0030	0190	00.1	00.3	00.1	0050	0100	0070	0940	0960
50034	0075	0055	0100	1	00.9	00.5	00.9	1	1000	1000	1	0080	0030	0060	00.8	00.5	00.7	0050	0070	0040	0970	1040
50037	0060	0035	0100	1	00.1	00.3	00.2	1	1000	1000	1	0100	0030	0090	00.2	00.4	00.2	0070	0110	0080	0950	0960
50144	0155	0060	0165	1	01.1	01.2	00.9	1	1000	1000	1	0150	0050	0160	01.5	00.5	01.2				0890	0870
50157	0075	0050	0125	1	01.1	00.3	00.7	1	0900	0900	1	0090	0020	0080	00.9	00.5	00.8	0090	0100	0080	0990	1020
50193	0050	0050	0075	1	00.1	00.8	00.1	1	0900	0900	1	0120	0050	0170	00.1	00.4	00.2				0850	0900
50279	0145	0055	0105	1	02.8	00.5	01.7	1	0880	0880	1	0160	0060	0090	01.5	00.5	01.5				0980	1010
50297	0100	0040	0140	1	00.1	00.4	00.1	1	1000	1000	1	0160	0050	0140	00.4	00.4	00.3				0900	0960
50300	0045	0035	0100	1	00.3	00.5	00.8	1	1100	1000	1	0080	0030	0060	00.4	00.7	00.4				1050	1070
50303	0080	0035	0100	1	02.5	00.7	01.7	2	1000	1050	1	0110	0060	0110	01.7	01.3	01.4				1010	1000
50403	0040	0025	0070	1	00.1	00.2	00.1	1	1150	1150	1	0050	0020	0060	00.1	00.2	00.2	0070	0100	0070	0830	0840
50408	0105	0075	0105	1	00.7	00.4	00.4	1	1050	1050	1	0090	0030	0060	00.2	00.4	00.2	0050	0080	0050	0970	0970
50414	0055	0050	0070	1	00.9	00.6	00.7	1	1200	1200	1	0170	0060	0110	00.3	00.3	00.2	0060	0120	0070	0840	0980
50431	0060	0055	0035	1	00.5	01.5	00.6	1	1200	1800	1	0080	0060	0050	00.5	00.8	00.5	0080	0100	0080	1150	1800
50464	0055	0040	0085	1	01.4	00.6	01.4	1	0850	0850	1	0130	0050	0090	01.9	00.6	01.7	0060	0080	0060	0990	1030
50487	0105	0060	0190	1	01.5	01.0	00.6	1	0700	0700	1	0160	0050	0150	01.3	00.8	01.1	0040	0070	0050	0730	0810
50542	0050	0030	0115	1	02.1	00.6	02.0	1	0750	0750	1	0050	0030	0050	00.8	00.5	00.9	0060	0080	0060	1040	0980
54034	0055	0030	0090	1	00.8	00.3	00.7	1	1100	1100	1	0090	0030	0090	00.8	00.3	00.7	0060	0090	0060	1120	1120
56011	0025	0025	0025	1	00.4	00.4	00.4	1	2000	2000	2	0070	0040	0030	00.3	00.5	00.4	0100	0100	0100	1010	1920
60027	0080	0040	0175	1	00.6	00.3	00.5	1	0950	0950	1	0100	0060	0120	00.8	00.9	00.9	0080	0100	0080	0950	0540
60043	0050	0030	0060	1	00.7	00.3	00.7	1	1150	1150	1	0060	0030	0060	00.6	00.4	00.6	0080	0100	0080	1100	1120
60049	0070	0040	0110	1	01.0	00.3	01.5	1	1000	1000	1	0090	0090	0110	00.1	00.2	00.2	0040	0090	0060	0850	0960
60052	0085	0040	0080	1	00.1	00.2	00.1	1	0850	0850	1	0120	0030	0090	00.1	00.3	00.2	0100	0140	0080	0760	0760
60054	0175	0050	0165	1	00.1	00.2	00.1	1	0850	0850	1	0160	0040	0150	00.2	00.2	00.2	0060	0090	0060	0800	0860
60228	0090	0070	0120	1	00.1	00.2	00.1	1	0750	0800	1	0140	0040	0130	00.1	00.2	00.1	0030	0070	0040	0780	0820
60249	0180	0065	0130	1	00.8	00.4	00.1	1	0700	0700	1	0190	0040	0180	00.6	00.4	00.6				0680	0710
60296	0045	0030	0070	1	00.5	00.4	00.5	1	1100	1000	1	0050	0030	0060	00.4	00.5	00.4				0940	0930
60299	0105	0090	0155	1	00.2	00.9	00.2	1	0900	0900	1	0150	0050	0150	00.4	00.7	00.4				0850	0910
60303	0125	0070	0195	1	01.1	00.8	00.1	1	0800	0800	1	0160	0090	0190	00.8	01.6	00.9				0720	0730
60432	0500	0600	0125	1	00.2	01.0	01.0	1	0950	0950	1	0100	0060	0100	00.6	00.7	00.6				1040	1060
60565	0115	0130	0150	1	00.5	00.4	00.4	1	0900	0900	1	0130	0040	0100	00.2	00.2	00.3	0070	0100	0060	0780	0890
64021	0040	0015	0035	1	00.1	00.3	00.1	1	1050	1050	1	0060	0020	0060	00.2	00.3	00.2	0060	0080	0070	1010	1000
66037	0075	0035	0030	1	00.2	00.4	00.6	1	2500	2500	2	0030	0020	0020	00.2	00.3	00.2	0120	0140	0120	2050	2160
70034	0035	0045	0060	1	00.1	00.5	00.1	1	1200	1200	1	0080	0030	0050	00.2	00.3	00.1	0080	0100	0060	1150	1160
70036	0055	0045	0040	1	00.1	00.4	00.1	1	0900	0900	1	0060	0020	0050	00.2	00.4	00.1	0060	0080	0040	0900	0960
70038	0070	0030	0090	1	00.1	00.2	00.2	1	1000	1000	1	0080	0030	0060	00.2	00.3	00.1	0070	0080	0060	0980	1000
70072	0040	0035	0055	1	00.1	00.2	00.1	1	1200	1200	1	0030	0020	0030	00.1	00.4	00.1	0060	0080	0060	1080	1110
70163	0060	0090	0065	1	00.4	00.4	00.4	1	1000	1000	1	0090	0030	0060	00.5	00.5	00.4	0030	0040	0040	0870	0970
70175	0045	0045	0060	1	00.3	00.5	00.3	1				0070	0020	0050	00.3	00.5	00.3	0070	0060	0060	1090	1140
74009	0040	0035	0045	1	00.2	00.3	00.1	1	1100	1050	1	0060	0030	0040	00.1	00.2	00.1	0070	0120	0080	1060	1060
74019	0045	0000	0115	1	00.1	00.3	00.1	1	0750	0750	1	0080	0030	0070	00.1	00.5	00.1	0020	0060	0040	0820	0960

APPENDIX C - IDLE TEST RESULTS

CELL NO=05 MODEL YR(S)=1975,1976,1977

MAKE=HONDA MODEL=CIVIC CVCC

	D E W IDLE TEST											H T S IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50056	0120	0100	0215	1	00.2	00.3	00.2	1	1000	1000	1	0220	0050	0240	00.3	00.2	00.3	0120	0180	0100	0910	0920
50126	0070	0065	0125	1	00.4	00.3	00.2	1	1050	1050	1	0090	0050	0070	00.3	00.2	00.3				0940	1010
50211	0120	0045	0140	1	00.2	00.1	00.2	1	1000	1000	1	0220	0040	0200	00.2	00.2	00.3				0840	0870
50217	0140	0060	0120	1	00.1	00.6	00.1	1	1100	1100	1	0190	0030	0170	00.2	00.2	00.2				0900	0850
50240	0080	0095	0110	1	00.5	01.3	00.5	1	1050	1050	1	0240	0130	0220	00.3	00.5	00.2				0860	0850
50249	0085	0075	0215	1	00.1	00.2	00.2	1	0600	0600	1	0100	0050	0160	00.2	00.3	00.2				0900	0900
50269	0335	0190	0445	2	07.1	02.7	07.1	2	0900	0900	1	0330	0120	0330	06.3	00.4	06.0				0750	0790
50282	0130	0080	0110	1	00.3	00.2	00.3	1	1200	1200	1	0140	0050	0100	00.3	00.2	00.2				1080	1030
50306	0140	0090	0300	1	00.1	00.3	00.1	1	1000	1000	1	0240	0090	0250	00.2	00.3	00.2				0900	0980
50321	0525	0285	0500	2	00.9	00.6	00.8	1	1000	1000	1	0720	0260	0580	00.8	00.5	00.5				1020	0940
50326	0095	0050	0070	1	00.4	00.2	00.2	1	0800	0800	1	0200	0050	0160	00.3	00.3	00.3				0760	0790
50329	0080	0065	0055	1	00.1	00.1	00.2	1	1050	1050	1	0140	0090	0110	00.3	00.3	00.2				1090	1080
50375	0735	0275	0870	2	02.8	00.4	01.8	2	0800	0800	1	1390	0170	1260	02.3	00.2	02.1	0085	0160	0095	0850	0890
50395	0145	0045	0295	1	01.2	00.4	00.4	1	0950	0950	1	0160	0050	0120	00.3	00.3	00.3	0100	0130	0085	0880	0920
50397	0120	0050	0210	1	00.7	00.3	00.7	1	0900	0900	1	0190	0080	0210	00.7	00.2	00.6	0095	0110	0080	0870	0810
50536	0085	0070	0110	1	00.1	00.1	00.2	1	1200	1200	1	0140	0030	0090	00.4	00.1	00.2	0080	0120	0090	1200	1190
50539	0115	0035	0130	1	01.1	00.3	00.7	1	1000	1000	1	0050	0020	0050	00.5	00.2	00.4	0130	0160	0140	1110	1100
54026	0090	0060	0160	1	00.2	00.2	00.2	1	1000	1000	1	0250	0120	0230	00.3	00.4	00.3	0120	0180	0120	0870	0850
54033	0075	0060	0160	1	00.1	00.2	00.2	1	1100	1100	1	0090	0030	0100	00.2	00.2	00.3	0280	0310	0270	0970	1170
60105	0055	0050	0050	1	00.1	00.2	00.2	1	1000	1000	1	0080	0030	0090	00.3	00.2	00.3	0080	0100	0090	1020	1010
60106	0035	0045	0180	1	00.1	00.3	00.2	1	1200	1200	1	0100	0040	0080	00.2	00.3	00.2	0140	0170	0140	1120	1150
60121	0175	0105	0300	1	00.4	00.3	00.4	1	1000	1000	1	0690	0140	0730	00.4	00.3	00.4	0050	0120	0050	0900	0930
60187	0410	0330	0610	2	01.7	01.3	00.8	1	1000	1000	1	0680	0130	0680	00.8	00.4	00.6	0080	0120	0090	0840	0830
60195	0125	0060	0195	1	00.1	00.1	00.1	1	0850	0850	1	0170	0030	0130	00.2	00.3	00.2				0860	0950
60244	0100	0075	0120	1	00.1	00.2	00.1	1	0900	0900	1	0170	0090	0160	00.2	00.3	00.2				0920	0880
60405	0050	0060	0145	1	00.1	00.3	00.2	1	1100	1100	1	0110	0040	0100	00.2	00.3	00.2				1010	1080
60510	0070	0060	0165	1	00.1	00.2	00.2	1	1000	1000	1	0130	0060	0310	00.2	00.2	00.2	0070	0190	0080	0890	0990
60521	0075	0090	0140	1	00.1	00.3	00.1	1	1000	1000	1	0140	0050	0140	00.3	00.2	00.2	0080	0140	0090	0970	0970
60542	0075	0050	0100	1	00.1	00.1	00.1	1	0700	0700	1	0120	0030	0080	00.2	00.1	00.2	0110	0120	0090	0690	0710
60561	0160	0105	0220	1	00.7	00.2	00.6	1	0850	0850	1	0210	0050	0180	00.7	00.1	00.7	0120	0130	0110	0810	0810
60580	0010	0150	0015	1	00.1	00.1	00.1	1	2000	2100	2	0190	0090	0160	00.2	00.2	00.2	0070	0130	0060	0830	0910
60691	0160	0060	0135	1	02.4	00.2	01.8	2	0850	0870	1	0090	0030	0060	00.6	00.1	00.6	0160	0160	0180	0900	0900
64016	0125	0060	0260	1	00.8	00.5	00.9	1	1000	1000	1	0140	0040	0130	00.4	00.2	00.4	0090	0120	0080	0900	0870
64059	0010	0010	0010	1	00.1	00.0	00.0	1	1100	1150	1	0030	0030	0090	00.2	00.1	00.2	0090	0140	0090	1060	1000
66009	0035	0250	0045	1	00.2	00.5	00.2	1	1900	1900	2	0190	0200	0190	00.2	00.4	00.2	0070	0110	0050	0880	0940
70094	0125	0090	0125	1	00.1	00.4	00.2	1	0900	0900	1	0220	0070	0240	00.2	00.3	00.2				0860	0820
70125	0070	0035	0100	1	00.1	00.1	00.1	1	1100	1000	1	0230	0050	0200	00.3	00.2	00.3				0880	0930
70468	0070	0035	0120	1	00.1	00.2	00.1	1	1000	1000	1	0090	0030	0090	00.1	00.2	00.1	0080	0170	0080	1050	1060
70642	0045	0030	0190	1	00.1	00.1	00.3	1	1000	1000	1	0070	0020	0050	00.1	00.2	00.1	0080	0110	0070	1040	1060
70669	0070	0030	0100	1	00.1	00.2	00.1	1	1000	1000	1	0090	0050	0100	00.2	00.3	00.2	0080	0180	0100	1090	1100

APPENDIX C - IDLE TEST RESULTS

CELL NO=06 MODEL YR(S)=1976,1977

MAKE=DODGE PLYMOUTH MODEL=COLT ARROW

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
60031	0045	0033	0060	1	02.8	01.1	03.4	1	0900	0900	1	0100	0040	0080	02.9	00.7	03.9	0090	0240	0090	0860	0910
60040	0020	0015	0025	1	01.0	00.1	00.8	1	1000	1000	1	0050	0010	0040	00.7	00.5	00.7	0060	0180	0065	0750	0820
60138	0055	0025	0055	1	01.7	00.2	01.6	1	0950	0950	1	0070	0020	0050	01.2	00.3	01.5	0100	0200	0110	0850	0890
60142	0080	0080	0110	1	03.6	02.5	03.7	1	0900	0900	1	0080	0030	0100	03.1	00.8	03.0	0080	0160	0080	0840	0870
60164	0105	0040	0165	1	05.2	00.4	05.2	2	0800	0800	1	0190	0090	0170	05.1	00.3	05.1				0720	0730
60236	0135	0155	0130	1	03.7	04.1	03.3	1	1000	1000	1	0120	0100	0090	02.8	02.5	02.7				0930	0960
60262	0205	0060	0125	1	06.6	02.6	05.7	2	1100	1100	1	0080	0020	0080	04.4	00.5	05.0				1070	1070
60266	0260	0050	0190	1	05.1	00.8	04.6	2	0650	0650	1	0240	0080	0210	05.1	00.5	04.4				0670	0670
60268	0050	0080	0070	1	00.4	01.2	00.4	1	1000	1000	1	0060	0090	0060	00.3	01.1	00.3				0940	0950
60311	0095	0105	0115	1	03.2	01.5	03.1	1	1050	1050	1	0120	0050	0070	01.5	00.5	01.6				0920	1000
60330	0095	0080	0130	1	03.8	02.1	03.6	2	0800	0800	1	0160	0060	0120	04.0	01.1	03.9				0730	0760
60368	0040	0080	0060	1	00.4	02.1	00.5	1	1200	1200	1	0090	0050	0060	00.2	01.5	00.4				0830	0910
60391	0105	0055	0125	1	07.1	01.1	06.9	2	0900	0900	1	0240	0090	0130	05.9	00.5	05.9				0870	0890
60396	0080	0070	0075	1	03.0	02.6	03.0	1	0800	0800	1	0090	0030	0070	02.2	00.6	02.2				1020	1040
60420	0150	0190	0120	1	01.9	02.5	01.5	1	1000	1000	1	0200	0120	0110	00.9	01.8	00.9				0870	0940
60463	0165	0100	0135	1	02.7	00.6	02.7	1	1500	1500	2	0150	0090	0110	01.6	00.4	02.1	0100	0340	0110	1150	1270
60508	0020	0075	0030	1	01.7	04.6	01.7	1	1000	1000	1	0100	0090	0060	03.3	04.6	03.1	0070	0150	0060	0740	0790
60527	0240	0060	0225	2	05.4	00.7	05.2	2	0900	0900	1	0290	0060	0200	05.2	00.4	04.1	0080	0140	0090	0920	0910
60528	0080	0080	0100	1	02.8	01.6	02.7	1	1000	1000	1	0100	0050	0080	02.5	00.6	02.3	0100	0050	0100	0930	0960
60560	0055	0075	0080	1	02.2	02.6	02.0	1	1150	1150	1	0090	0050	0090	00.7	01.5	00.6	0070	0200	0080	1480	1440
60636	0045	0060	0095	1	02.0	01.6	02.5	1	0850	0850	1	0160	0040	0110	02.2	00.5	02.4	0090	0180	0090	0790	0850
66011	0135	0060	0190	1	05.4	00.7	05.5	2	0750	0750	1	0230	0080	0220	06.4	00.5	06.9	0080	0360	0100	0730	0810
66028	0085	0035	0060	1	04.0	01.0	03.6	2	1200	1200	1	0070	0040	0060	02.6	01.1	03.0	0100	0100	0100	1030	1070
70082	0085	0050	0105	1	00.1	01.1	00.1	1	0800	0800	1	0100	0030	0100	00.1	00.2	00.1				0800	0800
70171	0600	0300	0820	2	07.5	08.2	06.8	2	0600	0600	1	0540	0160	0390	05.9	00.5	05.6	0100	0200	0090	0730	0800
70248	0180	0085	0195	1	04.2	02.0	04.2	2	0600	0600	1	0200	0060	0200	04.5	00.7	04.5				0930	0930
70401	0055	0100	0060	1	00.4	01.5	00.5	1	1050	1150	1	0090	0050	0050	00.3	00.8	00.4				1050	1090
70459	0130	0145	0145	1	03.9	02.6	04.5	2	0800	0800	1	0140	0030	0090	01.8	00.4	02.2	0080	0150	0090	0850	0950
70530	0125	0095	0170	1	04.5	03.1	06.2	2	0900	0900	1	0240	0060	0200	05.5	01.1	05.8	0110	0140	0120	0950	1000
70533	0195	0060	0170	1	03.6	00.6	03.5	1	1000	1000	1	0120	0050	0120	01.2	00.3	01.3	0100	0320	0100	0880	0900
70565	0025	0065	0040	1	00.1	02.3	00.2	1	1350	1350	2	0020	0040	0020	00.1	01.1	00.1	0100	0200	0120	1200	1270
70600	0115	0310	0135	1	02.3	00.5	02.3	1	1100	1050	1	0130	0050	0100	01.1	00.3	01.3	0090	0180	0100	0930	0930
70601	0210	0180	0190	1	05.7	02.4	05.4	2	0900	0900	1	0200	0120	0150	05.4	03.1	05.5	0120	0260	0120	0970	0980
70612	0070	0125	0160	1	00.1	05.5	00.1	1	1000	1000	1	0120	0060	0220	00.2	00.3	00.2	0050	0200	0050	0820	0820
70616	0060	0070	0070	1	00.2	00.4	00.2	1	0900	0900	1	0070	0060	0060	00.2	00.4	00.2	0080	0220	0090	0780	0880
70637	0270	0180	0310	2	08.1	04.1	08.1	2	1100	1050	1	0310	0120	0260	07.6	01.9	07.5	0100	0220	0110	1000	1020
70649	0065	0050	0060	1	02.0	00.8	01.2	2	0750	0750	1	0090	0030	0070	00.5	00.3	00.9	0100	0230	0130	0930	0990

APPENDIX C - IDLE TEST RESULTS

CELL NO=07 MODEL YR(S)=1975,1976

MAKE=DATSUN MODEL=B210

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50002	0060	0515	0085	1	00.4	00.5	00.4	1	0900	0900	1	0120	0050	0060	00.5	00.2	00.5	0060	0270	0060	0730	0820
50165	0060	0040	0085	1	01.0	00.6	00.8	1	1100	1100	1	0090	0050	0070	01.2	00.2	00.9	0070	0150	0060	0930	0930
50210	0065	0045	0060	1	00.4	00.2	00.4	1				0100	0060	0120	00.5	00.2	00.4				0800	0900
50235	0065	0055	0120	1	01.1	00.2	01.0	1	1150	1150	2	0080	0060	0090	00.8	00.2	00.8				1170	1180
50244	0080	2000	0160	1	00.7	07.6	00.7	1	0850	0830	1	0170	0030	0080	02.6	00.6	00.8				0600	0740
50271	0060	0070	0200	1	00.3	00.5	00.3	1	1000	1000	1	0090	0040	0110	00.4	00.3	00.3				0980	1010
50334	0075	0045	0035	1	01.3	00.6	00.6	1	0700	0800	1	0200	0070	0100	01.8	00.5	00.9				0600	0700
50343	0080	0090	0160	1	00.6	01.1	00.5	1	0950	0950	1	0100	0060	0110	00.5	00.2	00.5				0870	0870
50392	0065	0135	0110	1	00.3	00.6	00.4	1	0800	0800	1	0120	0080	0140	00.3	00.3	00.2	0060	0180	0060	0770	0790
50398	0075	0065	0140	1	01.4	00.4	01.3	1	1050	1050	1	0090	0050	0090	01.3	00.2	01.0	0050	0160	0050	0950	1000
50483	0075	0040	0115	1	01.9	00.3	01.5	1	0800	0800	1	0120	0060	0090	01.5	00.2	01.1	0040	0160	0040	0800	0810
50485	0025	0065	0010	1	00.1	00.7	00.1	1	1500	2200	2	0050	0030	0020	00.3	00.3	00.2	0140	0220	0110	1530	1540
54019	0070	0085	0105	1	01.2	00.6	01.2	1	1050	1050	1	0090	0030	0080	01.1	00.2	01.0	0060	0220	0070	0890	0990
54020	0045	0040	0080	1	00.3	00.2	00.7	1	1100	1100	1	0100	0050	0080	00.3	00.3	00.4	0080	0240	0090	1000	1100
54031	0070	0075	0043	1	00.2	00.3	00.1	1	0950	0950	1	0090	0050	0090	00.3	00.1	00.2	0070	0300	0070	0810	0840
54043	0070	0070	0175	1	00.7	00.7	00.8	1	0750	0750	1	0070	0050	0080	00.6	00.3	00.5	0090	0200	0060	0820	0850
56025	0000	0000	0000		00.0	00.0	00.0		2800	2800	2	0120	0060	0080	00.8	00.3	00.8	0070	0210	0060	1040	1140
60007	0075	0050	0095	1	00.2	00.1	00.2	1	0850	0850	1	0130	0050	0100	00.1	00.2	00.1	0090	0210	0070	0760	0840
60017	0060	0060	0100	1	00.3	00.1	00.5	1	1000	1000	1	0100	0060	0080	00.4	00.1	00.4	0070	0220	0070	0860	0950
60023	0065	0040	0095	1	01.0	00.2	00.7	1	1100	1100	1	0100	0050	0090	00.7	00.2	00.6	0060	0150	0060	1000	1050
60037	0065	0055	0130	1	01.6	00.1	01.6	1	0900	0900	1	0130	0050	0090	02.1	00.1	01.8	0060	0180	0060	0810	0900
60039	0065	0050	0085	1	00.5	00.1	00.4	1	1000	1000	1	0060	0030	0060	00.3	00.1	00.3	0070	0160	0080	0970	0980
60044	0095	0070	0130	1	01.9	00.3	02.0	1	0800	0800	1	0100	0040	0090	01.5	00.2	01.2	0040	0140	0040	0780	0800
60059	0095	0065	0125	1	01.4	00.1	00.8	1	0750	0750	1	0080	0050	0060	00.7	00.2	00.7	0040	0210	0040	0710	0770
60060	0095	0055	0090	1	01.7	00.2	02.0	1	0800	0800	1	0100	0050	0080	01.4	00.5	00.9	0040	0080	0050	0790	0850
60065	0115	0100	0165	1	01.1	01.0	01.0	1	0900	0900	1	0120	0040	0130	00.7	00.2	00.5	0040	0180	0040	0730	0810
60067	0065	0045	0085	1	00.4	00.3	00.1	1	0850	0850	1	0140	0060	0100	00.5	00.1	00.4	0070	0200	0080	0770	0840
60070	0190	0080	0200	1	02.1	00.1	01.9	1	0800	0800	1	0260	0100	0220	01.9	00.1	01.4	0070	0160	0070	0720	0820
60071	0075	0060	0095	1	00.9	00.2	00.7	1	0950	0950	1	0080	0050	0070	00.5	00.2	00.5	0070	0220	0080	0900	0950
60196	0060	0075	0100	1	00.5	00.7	00.5	1	0850	0850	1	0090	0030	0090	00.4	00.1	00.3				0780	0820
60203	0085	0070	0125	1	00.9	00.7	00.8	1	0950	0950	1	0110	0070	0130	00.8	00.2	00.7	0040	0160	0040	0830	0880
60204	0075	0060	0095	1	01.2	00.2	01.2	1	1000	1000	1	0110	0050	0100	01.3	00.3	01.2	0040	0100	0040	0940	0950
60251	0075	0055	0075	1	00.6	00.3	00.4	1	0900	0900	1	0120	0050	0080	00.3	00.1	00.5				0830	0920
60256	0075	0060	0140	1	01.7	00.3	01.4	1				0140	0060	0140	01.5	00.4	01.3				0870	0850
60378	0165	0105	0065	1	00.4	01.4	01.3	1	0920	0950	1	0180	0070	0120	01.7	00.2	01.1				0890	0960
60389	0115	0070	0135	1	01.8	00.1	00.9	1	0800	0800	1	0170	0060	0110	01.2	00.3	00.9				0670	0770
60456	0345	0120	0365	2	05.0	01.0	05.1	2	0800	0800	5	0230	0130	0160	02.2	00.5	01.4				0640	0760
60590	0085	0065	0090	1	01.3	00.1	01.3	1	0950	0950	1	0080	0050	0080	00.6	00.1	00.6	0070	0260	0080	1080	1110
60612	0050	0035	0055	1	01.3	00.2	01.0	1	1250	1100	1	0120	0050	0090	01.1	00.1	01.0	0060	0240	0060	0850	0970
64017	0070	0060	0080	1	00.5	00.2	00.5	1	1050	1050	1	0060	0050	0070	00.5	00.1	00.4	0080	0160	0080	1000	1040
64028	0060	0045	0090	1	00.6	00.1	00.6	1	1000	1000	1	0100	0060	0100	00.3	00.1	00.3	0070	0160	0080	0860	0900
64034	0075	0055	0100	1	01.0	00.1	00.5	1	0950	0950	1	0100	0050	0090	01.4	00.3	01.2	0080	0300	0100	0870	0880
64042	0065	0070	0070	1	01.7	00.2	01.6	1	1000	1000	1	0140	0060	0090	02.3	00.2	01.8	0070	0210	0070	0830	0920
66030	0220	0060	0135	1	00.1	00.1	00.1	1	1200	1250	2	0140	0030	0120	00.1	00.2	00.1	0070	0160	0060	1070	1150
66031	0075	0055	0060	1	01.6	00.1	00.4	1	1200	1600	2	0060	0050	0050	01.1	00.2	00.7	0110	0260	0110	1170	1350

APPENDIX C - IDLE TEST RESULTS

CELL NO=08   MODEL YR(S)=1977

MAKE=DATSUN   MODEL=B210

```
        ---------D E W    I D L E     T E S T---------     ------------H T S    I D L E     T E S T----------------
        -----HC--------     -------CO------   ---RPM----     ------HC--------  ------CO-------  -----NOX-------  --RPM---
EPA NO  1ST  2500 2ND  S  1ST  2500 2ND  S  1ST  2ND  S   1ST  2500 2ND   1ST  2500 2ND   1ST  2500 2ND   1ST  2ND

70099   0065 0040 0080 1  00.4 00.5 00.4 1  0700 0700 1   0100 0030 0090  00.5 00.5 00.4                  0740 0750
70100   0065 0060 0095 1  01.2 00.2 01.1 1  1000 1000 1   0080 0020 0060  01.8 00.4 01.5                  0980 1030
70101   0090 0030 0150 1  01.7 00.1 01.7 1  0850 0850 1   0140 0050 0160  01.5 00.1 01.4                  0770 0750
70115   0065 0040 0195 1  00.8 00.4 00.6 1  0950 0950 1   0140 0030 0110  01.2 00.5 00.7  0060 0100 0050  0780 0850
70127   0105 0095 0100 1  01.9 00.6 01.0 1  0950 0950 1   0120 0080 0230  00.7 00.8 03.2                  0750 0830

70140   0080 0045 0190 1  00.9 00.1 00.9 1  0800 0800 1   0090 0040 0080  00.8 00.2 00.6                  0820 0860
70166   0060 0055 0105 1  00.3 00.2 00.3 1  0900 0900 1   0090 0040 0100  00.4 00.2 00.4  0040 0080 0040  0820 0900
70216   0220 0180 0230 1  02.2 00.5 02.0 1  0950 0950 1   0210 0040 0200  02.8 00.5 02.4                  0810 0850
70217   0125 0050 0150 1  02.3 00.9 01.8 1  0750 0800 1   0190 0060 0160  02.2 00.3 01.8                  0740 0810
70229   0110 0065 0055 1  01.3 00.1 01.2 1  0900 0900 1   0020 0020 0050  00.0 00.0 00.3                  0710 0790

70267   0055 0040 0270 1  00.2 00.4 00.2 1  1300 1300 2   0060 0030 0060  00.2 00.2 00.2                  1200 1220
70268   0025 0025 0120 1  00.0 00.1 00.0 1  0800 0800 1   0020 0030 0020  00.0 00.0 00.0                  0800 0800
70284   0125 0050 0130 1  02.1 00.7 01.9 1  0800 0800 1   0200 0070 0160  02.4 00.2 01.9                  0730 0820
70306   0210 0060 0200 1  00.7 00.3 00.5 1  0900 0900 1   0310 0070 0270  00.4 00.2 00.5                  0780 0860
70313   0085 0060 0090 1  01.8 01.0 01.7 1  0900 0900 1   0120 0050 0100  01.9 00.6 01.5                  0850 0900

70348   0105 0095 0145 1  01.4 00.8 01.2 1  0750 0750 1   0210 0080 0150  01.1 00.3 01.2                  0810 0860
70364   0075 0050 0110 1  00.2 00.7 00.4 1  1050 1050 1   0080 0050 0100  00.4 00.3 00.4                  1060 1110
70378   1155 0340 1370 2  00.3 00.5 00.3 1                1150 0230 1250  00.6 00.4 00.3                  0650 0700
70385   0125 0075 0185 1  01.9 00.4 01.7 1  0800 1000 1   0350 0110 0370  01.1 00.1 00.8                  0750 0800
70387   0080 0050 0110 1  00.8 00.5 00.9 1  0850 0850 1   0100 0050 0100  00.6 00.3 00.6                  0790 0860

70438   0025 0060 0045 1  00.0 00.4 00.0 1  0750 0750 1   0030 0020 0050  00.0 00.0 00.0  0040 0130 0040  0630 0680
70457   0110 0115 0135 1  00.1 00.5 00.1 1  1000 1000 1   0120 0030 0090  00.1 01.3 00.1  0040 0120 0050  0800 0840
70461   0040 0030 0075 1  01.4 00.4 01.5 1  1000 1000 1   0060 0050 0090  02.3 00.3 01.7  0060 0140 0060  0810 0870
70469   0340 0170 0610 2  00.7 00.6 00.4 1  0800 0800 1   0400 0060 0400  00.4 00.1 00.4  0040 0105 0040  0800 0810
70485   0100 0030 0090 1  02.5 00.0 02.2 1  0850 0850 1   0100 0020 0080  01.5 00.0 01.2  0080 0170 0060  0880 0920

70521   0080 0045 0195 1  02.0 00.1 00.6 1  0850 0850 1   0130 0050 0140  01.3 00.3 01.1  0060 0100 0060  0590 0640
70546   0040 0030 0075 1  01.2 00.6 00.9 1  0800 0800 1   0090 0030 0070  01.4 00.2 01.2  0060 0110 0060  0760 0780
70563   1205 1150 1260 2  01.7 00.1 01.5 2  0900 0900 4   2720 1800 2640  01.6 00.2 01.7  0060 0150 0060  0720 0750
70609   0060 0050 0100 1  00.4 00.2 00.3 1  0950 0950 1   0070 0030 0060  00.2 00.2 00.2  0060 0160 0060  0830 0900
70620   0090 0080 0075 1  02.0 00.5 01.3 1  1050 1050 1   0090 0050 0070  01.1 00.2 01.0  0090 0190 0090  1050 1090

70622   0025 0020 0020 1  00.3 00.1 00.2 1  1500 1500 2   0070 0030 0020  00.3 00.2 00.3  0060 0160 0100  0770 1450
70625   0228 0060 0460 1  01.3 00.3 01.3 1  0700 0700 1   0250 0050 0250  01.2 00.2 00.8  0080 0100 0060  0630 0700
70634   0095 0060 0125 1  00.1 00.2 00.1 1  1100 1150 1   0100 0030 0080  00.1 00.1 00.1  0060 0210 0060  0840 0870
74012   0060 0035 0075 1  01.5 00.1 01.6 1  1100 1100 1   0080 0020 0060  01.2 00.2 00.9  0080 0150 0080  1020 1170
76032   0205 0060 0220 1  02.8 00.2 02.6 2  0850 0850 1   0240 0060 0200  02.9 00.2 02.5  0060 0120 0060  0710 0760
```

APPENDIX C - IDLE TEST RESULTS

CELL NO=09   MODEL YR(S)=1975,1976

MAKE=TOYOTA   MODEL=COROLLA

```
        ---------D E Q    I D L E     T E S T---------     ------------H T S    I D L E     T E S T----------------
        -----HC--------     -------CO------   ---RPM----     ------HC--------  ------CO-------  -----NOX-------  --RPM---
EPA NO  1ST  2500 2ND  S  1ST  2500 2ND  S  1ST  2ND  S   1ST  2500 2ND   1ST  2500 2ND   1ST  2500 2ND   1ST  2ND

50008   0045 0035 0105 1  00.1 00.2 00.1 1  1100 1100 1   0030 0010 0060  00.8 00.6 00.4  0070 0130 0100  1240 0990
50022   0155 0090 0190 1  01.0 00.4 00.6 1  0900 0900 1   0170 0060 0170  00.5 00.2 00.4  0050 0090 0040  0700 0680
50035   0045 0030 0075 1  01.2 00.2 01.0 1  0900 0900 1   0090 0030 0080  00.8 00.2 00.7  0050 0110 0050  0810 0900
50039   0055 0025 0080 1  00.7 00.1 00.5 1  1050 1050 1   0090 0020 0080  00.5 00.2 00.7  0060 0140 0070  0930 0960
50092   0070 0030 0125 1  00.8 00.2 00.6 1  1050 1050 1   0110 0030 0120  00.7 00.4 00.6  0040 0080 0050  0920 1020

50097   0105 0030 0415 1  00.2 00.1 00.4 1  0800 0800 1   0130 0030 0150  00.8 00.3 00.6  0080 0140 0070  0780 0860
50104   0080 0040 0075 1  00.2 00.3 00.2 1  1100 1100 1   0090 0020 0090  00.3 00.4 00.2  0070 0090 0040  1010 1070
50120   0055 0035 0100 1  00.8 00.3 00.8 1  1000 1000 1   0080 0030 0110  01.0 00.3 00.8                  0830 0890
50265   0075 0040 0260 1  01.0 00.4 00.8 1  0800 0800 1   0100 0030 0120  01.3 00.3 01.1                  0780 0820
50275   0075 0040 0085 1  01.4 00.4 01.0 1  0750 0750 1   0100 0030 0100  01.0 00.4 00.9                  0860 0890

50314   0063 0045 0130 1  01.2 00.4 00.9 1  0900 0900 1   0140 0050 0160  01.1 00.3 01.0                  1010 0900
50374   0095 0050 0170 1  02.8 00.7 02.7 2  0800 0800 1   0090 0020 0060  02.4 00.5 01.7  0070 0120 0060  0790 0870
50421   0025 0015 0025 1  00.4 00.1 00.4 1  1000 1000 1   0080 0030 0050  00.9 00.3 00.8  0040 0080 0040  1020 1130
50459   0055 0010 0075 1  00.6 00.1 01.2 1  0900 0900 1   0080 0030 0100  00.7 00.2 00.5  0060 0090 0060  0900 0970
50471   0085 0050 0125 1  00.3 00.2 00.1 1  0900 0900 1   0190 0050 0120  00.1 00.4 00.2  0040 0080 0040  0760 0800

50479   0190 0135 0225 1  04.1 02.1 02.8 2  0900 0900 1   0240 0060 0200  02.1 01.8 02.3  0090 0170 0090  0790 0840
50522   0065 0275 0100 1  00.8 00.1 00.7 1  0950 0950 1   0030 0020 0080  00.5 00.4 00.6  0040 0080 0040  1210 0950
50550   0055 0035 0065 1  00.2 00.3 00.1 1  1000 1100 1   0060 0030 0090  00.1 00.2 00.1  0060 0120 0060  0880 0880
54017   0090 0030 0160 1  00.2 00.2 00.2 1  0900 0900 1   0150 0040 0120  00.2 00.3 00.2  0060 0100 0040  0700 0770
54030   0045 0040 0110 1  01.0 00.7 01.1 1  1100 1100 1   0100 0040 0080  01.0 00.3 00.9  0060 0120 0060  0910 0960

54038   0040 0020 0060 1  01.3 00.3 01.3 1  1000 1000 1   0050 0020 0060  01.0 00.3 01.0  0055 0120 0060  0980 0950
56009   0040 0020 0055 2  00.7 00.4 00.6 2  1100 1100 1   0100 0020 0050  00.9 00.4 00.6  0050 0060 0050  0900 1120
60135   0030 0020 0040 1  00.8 00.3 00.9 1  1000 1000 1   0080 0030 0070  01.2 00.4 01.0                  0920 0990
60213   0090 0045 0100 1  00.0 00.4 00.0 1  0950 0950 1   0130 0050 0130  00.1 00.2 00.1  0020 0060 0020  0890 0950
60291   0085 0045 0160 1  01.3 00.3 00.9 1  0750 0800 1   0140 0050 0140  01.1 00.5 00.8                  0720 0790

60364   0055 0025 0125 1  01.1 00.4 01.3 1  0500 0500 1   0130 0030 0140  01.8 00.5 01.8                  0550 0580
60397   0400 0295 1150 2  06.8 02.3 06.0 2  0800 0800 1   0520 0190 0540  06.6 02.0 06.1                  0740 0790
60410   0050 0020 0070 1  00.9 00.3 00.9 1  1000 1000 1   0120 0050 0100  00.8 00.4 00.6                  0870 0920
60433   0060 0050 0110 1  00.9 00.2 00.9 1  1000 1000 1   0110 0030 0110  00.9 00.5 00.7                  0850 0890
60439   0090 0075 0155 1  01.0 00.8 00.8 1  1000 1000 1   0090 0040 0090  01.2 00.6 00.9                  0950 1010

60457   0060 0070 0340 1  00.2 00.4 00.1 1  0900 0900 1   0140 0030 0160  00.2 00.3 00.2  0030 0080 0040  0740 0780
60537   0070 0025 0085 1  01.0 00.1 01.0 1  0800 0800 1   0210 0060 0210  01.2 00.4 01.2  0045 0090 0050  0810 0850
60684   0030 0020 0040 1  00.7 00.1 00.8 1  0800 0800 1   0040 0020 0020  00.3 00.2 00.3  0040 0100 0050  1020 1070
60713   0050 0040 0090 1  00.6 00.1 00.6 1  1175 1250 1   0120 0060 0180  00.4 00.1 00.4  0060 0080 0040  1100 1140
64026   0035 0025 0075 1  01.1 00.3 01.1 1  0800 0800 1   0090 0030 0070  01.5 00.4 01.0  0060 0100 0050  0790 0900

64030   0080 0050 0125 1  01.1 00.3 00.9 1  0900 0900 1   0100 0030 0080  00.8 00.3 00.6  0040 0100 0040  0820 0960
64032   0070 0025 0065 1  01.4 00.1 01.1 1  0800 1050 1   0140 0050 0080  01.7 00.3 00.9  0060 0140 0060  0690 1000
64033   0060 0035 0055 1  00.8 00.4 00.4 1  1000 1000 1   0050 0020 0040  00.7 00.4 00.6  0040 0060 0040  1100 1200
64039   0065 0035 0100 1  00.8 00.1 00.7 1  1000 1000 1   0070 0030 0060  00.6 00.2 00.6  0050 0100 0060  0910 1000
64041   0075 0055 0090 1  01.0 00.4 01.0 1  1000 1000 1   0120 0020 0070  00.7 00.3 00.6  0050 0110 0050  0880 0990

64053   0060 0025 0190 1  00.3 00.2 00.2 1  0800 0800 1   0120 0030 0160  00.2 00.3 00.2                  0790 0820
```

APPENDIX C - IDLE TEST RESULTS

CELL NO=10   MODEL YR(S)=1977

MAKE=TOYOTA   MODEL=CELICA

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
60242	0040	0030	0050	1	00.8	00.4	01.0	1	0900	0900	1	0060	0030	0050	01.1	00.5	00.9				0840	0900
70014	0070	0060	0110	1	00.8	00.3	00.7	1	1000	1000	1	0120	0030	0070	00.7	00.3	00.7	0080	0130	0080	0790	0850
70016	0035	0030	0040	1	00.5	00.3	00.5	1	1150	1150	1	0050	0020	0030	00.6	00.5	00.6	0050	0140	0050	1050	1120
70017	0145	0025	0125	1	00.1	00.2	00.1	1	0900	0900	1	0190	0030	0190	00.1	00.3	00.1	0070	0100	0070	0790	0850
70021	0035	0025	0080	1	00.6	00.2	00.5	1	1000	1000	1	0070	0030	0060	00.6	00.3	00.5	0070	0110	0070	0890	0960
70023	0045	0025	0070	1	01.0	00.3	01.0	1	0900	0900	1	0050	0020	0050	00.5	00.3	00.5	0050	0100	0060	0830	0860
70024	0035	0035	0055	1	00.4	00.3	00.4	1	1050	1050	1	0050	0020	0030	00.5	00.4	00.6	0040	0090	0040	0980	1020
70086	0080	0040	0100	1	00.5	00.1	00.6	1	0900	0900	1	0060	0020	0070	00.8	00.3	00.6	0050	0110	0050	0630	0880
70137	0030	0030	0150	1	00.0	00.1	00.0	1	1050	1000	1	0140	0040	0140	00.1	00.4	00.1				0820	0830
70147	0050	0030	0095	1	00.7	00.0	00.5	1	0850	0850	1	0080	0030	0090	00.6	00.3	00.5	0040	0070	0040	0800	0870
70159	0050	0025	0065	1	00.5	00.2	00.1	1	0900	0900	1	0070	0030	0080	00.5	00.3	00.4	0040	0100	0050	0780	0850
70161	0050	0105	0100	1	00.9	00.4	00.8	1	0800	0800	1	0080	0010	0070	01.0	00.3	00.7	0060	0080	0060	0700	0740
70210	0020	0020	0025	1	00.6	00.3	00.7	1	1050	1050	1	0050	0020	0040	00.6	00.4	00.6				1050	1120
70220	0020	0015	0040	1	00.7	00.2	00.6	1	0900	0900	1	0080	0030	0060	01.1	00.4	00.9				0830	0880
70259	0035	0030	0050	1	00.8	00.2	00.7	1	0850	0850	1	0070	0030	0080	00.8	00.3	00.6				0820	0850
70277	0035	0030	0035	1	00.5	00.2	00.5	1	0800	0800	1	0050	0020	0060	00.9	00.3	00.8				0850	0910
70278	0040	0030	0170	1	01.2	00.7	00.7	1	0800	0800	1	0050	0020	0060	00.9	00.3	00.7				0740	0810
70289	0030	0020	0060	1	00.7	00.2	00.6	1	0850	0850	1	0050	0020	0060	00.6	00.3	00.5				0830	0860
70342	0045	0060	0125	1	00.9	00.0	00.6	1	0700	0700	1	0080	0040	0070	00.6	00.3	00.5				0700	0760
70372	0020	0010	0030	1	00.4	00.2	00.4	1	1150	1150	1	0050	0020	0050	00.2	00.3	00.2				0960	1000
70379	0050	0020	0085	1	03.0	03.0	02.5	1	1300	1300	1	0060	0020	0040	00.3	00.4	00.2				0850	0930
70381	0045	0030	0160	1	00.7	00.2	00.6	1	1000	1000	1	0020	0020	0060	00.8	00.3	00.6				0900	0940
70396	0050	0040	0050	1	00.7	00.1	00.7	1	0950	0950	1	0050	0020	0050	00.6	00.2	00.6				0950	1040
70446	0045	0055	0140	1	00.5	00.2	04.7	1	1000	1000	1	0070	0030	0060	00.9	00.3	00.9	0040	0080	0040	0940	1000
70455	0070	0045	0110	1	00.9	00.5	00.6	1	0800	0800	1	0080	0020	0080	00.8	00.3	00.5	0020	0070	0030	0770	0840
70473	0040	0025	0135	1	00.6	00.4	00.5	1	0800	0800	1	0060	0020	0080	00.5	00.3	00.5	0030	0070	0030	0790	0830
70534	0060	0050	0065	1	00.8	00.1	00.7	1	0900	0900	1	0060	0020	0060	00.9	00.3	00.9	0040	0070	0040	0840	0860
70552	0040	0030	0025	1	00.6	00.2	00.0	1	0850	0850	1	0080	0040	0070	00.7	00.4	00.6	0050	0060	0050	0830	0850
70556	0025	0020	0075	1	00.9	00.1	00.8	1	0800	0600	1	0100	0050	0060	00.9	00.3	00.9	0040	0070	0040	0810	0810
70564	0025	0025	0025	1	00.9	00.2	00.7	1	0750	0750	1	0060	0030	0050	01.3	00.3	01.1	0050	0070	0060	0780	0750
70570	0045	0025	0075	1	00.7	00.2	00.6	1	0900	0900	1	0080	0030	0060	00.5	00.3	00.4	0060	0090	0060	0850	0650
70640	0050	0030	0060	1	00.2	00.2	00.2	1	0800	0800	1	0060	0020	0050	00.1	00.3	00.2	0050	0100	0050	0760	0850
70656	0060	0030	0065	1	01.4	00.5	01.3	1	0600	0600	1	0120	0030	0090	02.2	00.3	01.6	0040	0060	0040	0580	0630
70667	0100	0065	0115	1	00.6	00.2	00.5	1	0750	0750	1	0050	0020	0040	00.6	00.3	00.6	0040	0090	0050	0870	0860
70671	0040	0030	0060	1	00.6	00.2	00.5	1	1000	1000	1	0050	0020	0050	00.7	00.3	00.7	0040	0100	0040	1040	1050
74016	0030	0020	0090	1	00.4	00.3	00.2	1	0950	0950	1	0060	0020	0060	01.0	00.4	01.0	0060	0060	0060	0950	0960
74017	0030	0035	0090	1	00.9	00.2	00.8	1	0850	1000	1	0080	0020	0070	01.6	00.4	01.3	0050	0060	0060	0710	0740
74023	0040	0025	0190	1	00.7	00.2	00.5	1	1000	1000	1	0080	0020	0040	00.6	00.3	00.5	0030	0100	0030	0880	0940
74024	0045	0040	0065	1	00.7	00.4	00.5	1	1000	1000	1	0050	0020	0050	00.4	00.3	00.5	0030	0090	0040	0920	0930
74032	0045	0025	0075	1	01.1	00.2	00.7	1	0800	0800	1	0100	0050	0100	01.0	00.4	00.9	0040	0020	0060	0730	0770

APPENDIX C - IDLE TEST RESULTS

CELL NO=11   MODEL YR(S)=1975,1976,1977

MAKE=VW   MODEL=BEETLE

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50011	0170	0095	0150	1	00.6	00.5	00.6	1	0800	0800	1	0160	0100	0160	00.5	00.4	00.6	0050	0210	0060	0750	0750
50021	0070	0040	0140	1	00.5	00.3	00.6	1	1150	1000	1	0130	0050	0150	00.4	00.3	00.4	0070	0190	0080	0950	1000
50027	0065	0080	0060	1	03.2	01.3	02.5	1	1050	1050	1	0090	0040	0090	02.5	01.0	03.5	0060	0150	0060	1010	1050
50066	0070	0180	0115	1	01.7	00.4	01.4	1	0900	0900	1	0130	0060	0130	00.8	00.2	00.8	0120	0400	0130	0760	0810
50069	0080	0115	0135	1	02.0	03.0	07.5	1	1000	1400	1	0140	0080	0120	00.8	01.7	01.5	0180	0260	0190	0980	0980
50093	0175	0060	0260	1	00.3	00.1	00.2	1	0900	0900	1	0190	0070	0180	00.3	00.2	00.3	0050	0160	0060	0760	0750
50103	0075	0100	0105	1	02.8	02.0	02.7	1	1100	1100	1	0100	0090	0110	02.0	01.4	02.5	0060	0170	0080	0920	0970
50119	0105	0115	0105	1	01.2	01.7	00.7	1	1000	1000	1	0120	0070	0100	00.9	01.0	00.9				0880	0920
50220	0065	0110	0070	1	01.4	00.6	01.4	1	1500	1500	2	0140	0050	0140	00.9	00.3	00.9				0910	0970
50242	0055	0185	0075	1	00.1	01.4	00.1	1	0800	0800	1	0140	0160	0090	00.1	00.2	00.2				0720	0720
50331	0050	0075	0225	1	01.3	02.2	01.0	1	1000	1000	1	0090	0050	0100	00.9	00.8	01.0				0940	0940
50371	0065	0085	0075	1	02.4	01.0	01.9	1	1570	1320	2	0130	0120	0100	02.1	01.9	02.3				1100	1200
50486	0205	0150	0180	1	00.3	01.4	00.1	1	1000	1000	1	0160	0060	0080	00.2	00.2	00.2	0080	0320	0080	0800	0670
50511	0115	0125	0090	1	02.5	03.4	02.8	1	0950	0950	1	0160	0080	0170	01.8	00.8	02.6	0110	0240	0100	0930	0920
50554	0085	0105	0090	1	04.6	02.6	04.3	2	1300	1400	1	0180	0110	0140	04.3	03.3	04.4	0140	0220	0120	1000	1090
54028	0105	0060	0130	1	00.1	00.1	00.1	1	1100	1100	1	0250	0060	0130	00.2	00.2	00.2	0120	0300	0160	0790	0930
54044	0100	0260	0110	1	03.0	01.2	02.5	1	0700	0700	1	0060	0030	0050	00.9	00.3	01.1	0150	0280	0160	0990	1080
56030	0155	0170	0170	1	04.6	04.6	04.4	2	0850	0850	1	0160	0050	0120	04.0	04.2	04.4	0070	0340	0080	0680	0700
60245	0080	0095	0100	1	00.4	00.1	00.5	1	0800	0800	1	0280	0100	0200	00.4	00.2	00.5				0700	0760
60271	0335	0150	0550	2	03.2	04.1	03.3	2	0650	0650	1	0760	0240	0730	04.9	02.9	05.6				0550	0570
60292	0105	0055	0125	1	00.7	00.6	00.7	1	0850	0850	1	0310	0090	0280	00.7	00.3	00.8				0750	0810
60370	0100	0080	0100	1	02.5	04.0	02.3	1	0900	0900	1	0130	0070	0120	01.9	00.3	02.2				0750	0770
60415	0090	0100	0140	1	02.3	02.0	02.2	1	1150	1150	1	0170	0110	0170	01.8	01.9	01.9				1000	1030
60428	0110	0150	0125	1	03.0	02.1	03.0	1	0900	0900	1	0150	0100	0130	01.7	01.3	01.8				0830	0860
60499	0115	0095	0135	1	02.5	01.2	03.0	1	1000	1000	1	0330	0080	0190	01.8	00.5	02.7	0090	0270	0100	0860	0880
60535	0065	0060	0050	1	01.9	00.4	01.7	1	1000	1000	1	0160	0060	0100	01.4	00.6	01.9	0090	0210	0120	0920	1000
60596	0045	0110	0065	1	01.7	01.6	01.5	1	1000	1000	1	0100	0100	0100	02.2	01.6	02.3	0100	0320	0110	0780	0800
60601	0180	0135	0180	1	03.8	02.4	04.1	2	0900	0900	1	0200	0140	0160	04.6	04.6	03.6	0120	0340	0130	0840	0980
60671	0120	0115	0110	1	02.4	00.8	02.3	1	0800	0850	1	0090	0050	0080	01.4	00.4	01.8	0040	0130	0040	0800	0900
60682	0140	0115	0130	1	02.0	03.2	02.4	1	1000	1000	1	0190	0090	0200	02.4	01.7	03.3	0070	0200	0080	0900	0950
60720	0075	0090	0080	1	02.1	00.6	02.1	1	1650	1650	2	0090	0090	0090	02.3	01.7	03.0	0160	0270	0270	1500	1700
70122	0080	0070	0100	1	00.1	00.1	00.1	1	0850	0850	1	0090	0060	0100	00.1	00.2	00.1				0720	0700
70239	0065	0050	0070	1	01.2	00.6	01.2	1	1000	1000	1	0120	0080	0100	01.1	00.6	01.1				0820	0850
70397	0210	0160	0220	2	05.2	02.8	05.3	2	1000	1000	1	0230	0140	0180	05.2	02.8	03.8				0890	0950
70452	0055	0075	0075	1	02.1	00.7	02.2	1	1300	1300	2	0170	0080	0140	03.1	01.2	03.2	0100	0180	0100	0780	0810
70469	0095	0105	0075	1	01.0	00.3	00.6	1				0140	0060	0110	01.2	00.2	01.0	0100	0280	0120	0850	0950
70520	0085	0070	0095	1	02.8	00.5	02.6	1	0750	0750	1	0180	0060	0130	03.6	00.3	03.6	0100	0360	0110	0650	0670
70617	0450	0230	0115	1	01.3	00.1	01.4	1			1	0130	0060	0100	01.7	00.4	01.8	0030	0100	0030	0980	1030
70627	0100	0095	0115	1	04.2	01.2	03.5	2	0900	0900	1	0100	0060	0080	01.9	01.0	02.1	0040	0080	0050	0660	0790

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                                         APPENDIX C - IDLE TEST RESULTS
CELL NO=12    MODEL YR(S)=1976,1977
   MAKE=VW                             MODEL=RABBIT SCIROCCO

         ---------D E W    I D L E    T E S T----------     -------------H T S    I D L E      T E S T---------------
         --------HC------  --------CO-------  ----RPM---     -----HC------ -----CO------  -----NOX-----  --RPM---
EPA NO   1ST 2500  2ND S   1ST 2500  2ND S  1ST  2ND S       1ST 2500  2ND 1ST 2500  2ND  1ST 2500  2ND  1ST  2ND

60018   0025 0025 0025 1 00.5 00.2 00.4 1 1200 1200 1   0060 0030 0040 00.9 00.4 00.6 0040 0040 0080 1160 1140
60028   0035 0065 0090 1 00.2 00.1 00.1 1 1000 1000 1   0120 0090 0080 00.3 00.2 00.2 0030 0120 0040 0860 0890
60140   0025 0030 0035 1 01.4 00.2 01.2 2 1200 1200 1   0040 0030 0030 00.7 00.2 00.5 0040 0080 0040 1100 1140
60143   0035 0035 0040 1 01.4 00.9 01.0 1 1150 1150 1   0060 0040 0050 01.4 00.6 01.1 0050 0160 0050 1080 1080
60162   0095 0100 0120 1 03.0 02.0 02.0 2 1000 1000 1   0080 0060 0110 00.4 00.2 00.3                0960 0950

60185   0040 0035 0070 1 00.0 00.2 00.0 1 1200 1200 1   0070 0050 0070 00.1 00.2 00.1                1080 1100
60189   0020 0025 0030 1 00.0 00.1 00.1 1 1000 1000 1   0040 0060 0050 00.0 00.1 00.0 0050 0170 0060 0850 0860
60232   0060 0455 0140 1 00.3 00.7 00.6 1 1100 1100 1   0070 0060 0120 00.8 00.6 00.5                1000 0930
60312   0025 0120 0040 1 00.6 03.6 00.6 1 1350 1350 2   0050 0100 0050 00.5 00.4 00.3                1270 1330
60372   0015 0035 0020 1 00.0 00.0 00.0 1 1100 1100 1   0020 0020 0020 00.0 00.0 00.0                1030 1010

60390   0065 0040 0115 1 00.4 00.2 00.4 1 1200 1200 1   0120 0140 0120 00.3 00.2 00.3                1090 1170
60393   0015 0030 0020 1 00.0 00.0 00.0 1 1400 1400 2   0020 0010 0010 00.0 00.0 00.0                1340 1230
60403   0030 0035 0045 1 00.0 00.2 00.1 1 0850 0850 1   0030 0030 0040 00.1 00.0 00.1                0880 0870
60436   0065 0040 0060 1 00.1 00.1 00.1 1 1100 1100 1   0070 0030 0070 00.1 00.2 00.1                1050 1020
60455   0015 0015 0020 1 00.0 00.0 00.0 1 0900 0950 1   0050 0020 0020 00.0 00.0 00.0                0940 0960

60488   0130 0085 0140 1 03.9 02.6 03.2 2 1000 1000 1   0130 0130 0170 02.5 00.4 02.6 0070 0110 0070 1000 0990
60532   0020 0020 0030 1 00.0 00.0 00.0 1 0950 0950 1   0050 0020 0030 00.0 00.0 00.0 0040 0080 0050 1030 1060
60544   0045 0065 0070 1 00.8 01.0 00.6 1 1000 1000 1   0050 0020 0080 00.9 00.3 00.9 0060 0070 0060 1000 0930
60573   0045 0050 0110 1 00.3 00.8 00.1 1 1100 1100 1   0050 0050 0060 00.1 00.4 00.1 0060 0090 0070 0850 0950
60587   0020 0035 0030 1 00.0 00.0 00.0 1 1100 1100 1   0070 0030 0050 00.0 00.0 00.0 0060 0200 0060 0850 0880

60600   0010 0010 0020 1 00.0 00.0 00.0 1               0030 0020 0030 00.0 00.0 00.0 0060 0190 0080 1030 1050
60654   0040 0035 0030 1 00.7 00.3 00.4 1 1300 1300 1   0030 0030 0030 00.1 00.1 00.1 0100 0180 0100 1090 1130
60664   0185 0165 0975 1 09.1 00.9 09.1 2 0500 0500 1   0060 0060 0320 04.0 00.4 04.8 0030 0090 0060 0460 0620
60674   0035 0200 0140 1 03.2 00.3 05.8 2 1250 1250 1   0090 0080 0060 03.0 00.4 02.4 0080 0110 0080 1270 1360
60690   0040 0195 0075 1 02.4 07.2 02.9 2 1100 1050 1   0050 0070 0050 01.0 01.5 00.8 0100 0200 0100 0930 0980

60694   0030 0165 0070 1 01.4 06.4 00.3 1 1050 1055 1   0080 0060 0050 00.2 00.2 00.2 0100 0210 0100 1000 1050
64029   0060 0040 0070 1 00.0 00.0 00.0 1 0600 0600 1   0140 0200 0150 00.0 00.0 00.0 0060 0140 0070 1230 1290
64035   0010 0005 0005 1 00.0 00.0 00.0 1 1100 1100 1   0040 0020 0030 00.0 00.0 00.0 0060 0150 0070 1000 1020
64040   0120 0065 0115 1 00.0 00.0 00.0 1 1000 1000 1   0180 0060 0140 00.0 00.0 00.0 0080 0160 0100 0930 0970
66012   0045 0030 0065 1 01.1 00.2 01.1 2 0950 0950 1   0090 0030 0060 01.7 00.4 01.5 0090 0100 0080 0890 0910

66036   0045 0025 0045 1 02.6 01.5 02.6 2 1100 1100 1   0060 0040 0060 03.0 01.6 02.8 0110 0220 0110 1070 1070
66041   0310 0060 0170 1 09.2 02.6 07.7 2 0700 0700 1   0170 0070 0070 05.8 00.5 03.3                1120 1140
70035   0075 0050 0100 1 01.9 00.7 02.2 1 1000 1000 1   0080 0020 0080 01.7 00.3 02.1 0070 0160 0080 0910 0920
70089   0170 0175 0215 1 04.6 00.9 04.1 2 0950 0950 1   0160 0090 0210 04.6 01.3 05.4 0110 0220 0120 1020 0940
70221   0130 0120 0170 1 03.7 02.6 04.2 2 1000 1000 1   0160 0080 0160 02.1 00.8 02.3                0950 0930

70227   0140 0065 0130 1 04.1 01.0 03.7 2 0900 0900 1   0160 0050 0130 04.4 00.6 04.7                0910 0920
70281   0280 0230 0315 1 04.5 05.2 05.0 2 0750 0750 1   0440 0130 0370 04.7 03.5 04.4                0690 0680
76006   0080 0065 0115 1 03.9 02.1 02.4 2 1000 2000 1   0150 0060 0130 04.8 01.4 02.1 0140 0200 0110 0910 1000
76011   0200 0070 0195 1 04.8 00.5 04.2 2 0800 0800 1   0160 0060 0140 03.5 00.7 04.2 0140 0200 0140 0960 0940
76041   0110 0085 0100 1 04.9 01.9 03.5 2 1050 1700 2   0130 0060 0080 02.6 00.9 03.8                1050 1020

76046   0200 0085 0160 1 06.1 01.9 05.4 2 1200 0800 1   0190 0060 0170 04.5 01.9 04.2 0085 0160 0080 0710 0700
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                                         APPENDIX C - IDLE TEST RESULTS
CELL NO=13    MODEL YR(S)=1976,1977
   MAKE=VOLVO                          MODEL=240

         ---------D E Q    I D L E    T E S T----------     -------------H T S    I D L E      T E S T---------------
         --------HC------  --------CO-------  ----RPM---     -----HC------ -----CO------  -----NOX-----  --RPM---
EPA NO   1ST 2500  2ND S   1ST 2500  2ND S  1ST  2ND S       1ST 2500  2ND 1ST 2500  2ND  1ST 2500  2ND  1ST  2ND

60130   0100 0050 0120 1 03.0 01.3 03.3 2 1100 1100 1   0130 0030 0140 03.2 00.9 02.6 0050 0100 0060 1030 1000
60169   0065 0040 0080 1 00.6 00.1 00.5 1 1000 1000 1   0090 0030 0090 00.6 00.1 00.5                0840 0850
60184   0035 0030 0045 1 00.1 00.1 00.1 1 1100 1100 1   0050 0020 0060 00.3 00.1 00.3                0990 0950
60200   0035 0050 0045 1 00.2 00.1 00.3 1               0040 0020 0030 00.3 00.1 00.3 0050 0100 0050 0930 0900
60264   0020 0025 0025 1 00.5 00.1 00.5 1 1000 1000 1   0040 0020 0030 00.4 00.2 00.3                0980 0990

60265   0075 0025 0080 1 00.7 00.1 00.7 1 0750 0750 1   0090 0050 0100 00.5 00.1 00.4                0830 0800
60269   0035 0030 0030 1 00.6 00.4 00.6 1 1000 1000 1   0050 0020 0050 00.8 00.2 00.7                0820 0860
60317   0030 0030 0025 1 00.6 00.5 00.3 1 1200 1200 1   0040 0030 0030 00.5 00.3 00.5                1130 1130
60319   0120 0045 0110 1 00.6 00.2 00.6 1 0725 0750 1   0140 0050 0180 00.6 00.3 00.5                0660 0650
60322   0080 0045 0120 1 00.1 00.1 00.2 1 0900 0950 1   0090 0030 0080 00.3 00.1 00.2                0890 0870

60324   0070 0145 0105 1 00.6 01.0 00.6 1 0950 0950 1   0060 0030 0080 00.1 00.0 00.0                0950 0900
60395   0030 0035 0030 1 00.3 00.1 00.1 1 1050 1050 1   0030 0020 0030 00.4 00.2 00.4                0920 0960
60408   0080 0035 0090 1 03.0 00.5 02.3 1 1200 0900 1   0050 0020 0020 00.4 00.2 00.4                0970 0960
60412   0050 0070 0050 1 00.7 00.6 00.1 1 0900 0900 1   0870 0070 0800 00.3 00.3 00.5                0910 0940
60444   0040 0030 0035 1 00.9 00.7 00.7 1 0900 0900 1   0060 0030 0040 01.2 00.3 00.8                0850 0920

60445   0035 0025 0030 1 00.3 00.1 00.3 1 1050 1050 1   0050 0020 0030 00.4 00.2 00.3                0920 0930
60479   0055 0035 0045 1 00.2 00.1 00.1 1 1000 1000 1   0100 0050 0060 00.3 00.1 00.2 0040 0090 0040 0930 0940
60511   0025 0025 0030 1 00.2 00.1 00.2 1 1000 1000 1   0030 0010 0010 00.3 00.1 00.3 0040 0090 0040 1070 1080
60519   0035 0025 0030 1 00.5 00.3 00.4 1 1000 1000 1   0030 0020 0020 00.0 00.4 00.4 0040 0050 0040 0970 0990
60545   0055 0040 0045 1 00.3 00.1 00.2 1 1100 1100 1   0040 0030 0050 00.3 00.1 00.3 0050 0090 0060 1060 1010

60564   0060 0055 0075 1 00.4 00.1 00.4 1 0800 0850 1   0040 0020 0050 00.3 00.1 00.3 0050 0100 0060 0810 0800
60586   0030 0030 0035 1 00.2 00.1 00.2 1 1000 1000 1   0040 0020 0030 00.4 00.2 00.4 0040 0090 0030 0980 0980
60611   0030 0035 0020 1 00.1 00.1 00.1 1 0900 0900 1   0040 0020 0030 00.3 00.1 00.2 0040 0120 0060 0850 0860
60632   0080 0060 0085 1 00.7 00.3 00.7 1 0900 0900 1   0060 0030 0080 00.8 00.2 00.7 0050 0110 0060 0910 0850
60699   0030 0020 0020 1 00.1 00.1 00.1 1 0700 0700 1   0030 0020 0020 00.3 00.1 00.2 0050 0120 0050 0960 0940

60724   0045 0040 0050 1 00.2 00.1 00.2 1 0900 0900 1   0050 0030 0050 00.3 00.1 00.4 0060 0100 0050 0940 0900
60728   0030 0025 0030 1 00.2 00.1 00.2 1 1050 1050 1   0020 0010 0020 00.4 00.2 00.3 0050 0090 0060 1130 1050
64027   0050 0060 0065 1 00.1 00.1 00.1 1 0900 0900 1   0080 0030 0130 00.1 00.1 00.1 0040 0100 0040 0910 0910
64037   0055 0050 0050 1 00.3 00.1 00.3 1 1150 1150 1   0030 0010 0020 00.5 00.2 00.4 0040 0080 0040 1100 1040
70325   0055 0045 0070 1 01.6 01.0 01.5 1 0950 0950 1   0060 0050 0080 01.1 01.1 01.2                0950 0960

70475   0260 0125 0285 2 06.0 03.0 05.5 2 0800 0800 1   0190 0100 0200 04.4 02.6 04.5 0070 0120 0080 0780 0750
70511   0105 0070 0115 1 02.7 01.9 02.9 2 1200 1200 1   0130 0090 0140 02.5 01.7 02.4 0080 0150 0120 1150 1150
70558   0015 0010 0015 1 00.2 00.1 00.1 1 1500 1550 2   0010 0020 0020 00.0 00.1 00.1 0030 0030 0020 0910 0920
70561   0040 0250 0080 1 00.0 00.6 00.0 1 0850 0850 1   0090 0060 0090 00.4 00.5 00.2 0060 0120 0060 0800 0820
70598   0115 0035 0130 1 01.6 00.0 01.7 1 0900 0900 1   0120 0050 0130 01.0 00.3 00.9 0080 0150 0090 0920 0910

70602   0175 0110 0175 1 05.6 01.9 05.0 2               0170 0120 0170 04.6 01.9 03.4 0120 0180 0120 1060 1010
70603   0230 0045 0230 1 01.7 00.0 01.8 1 0700 0700 1   0260 0110 0230 01.6 01.1 01.5 0080 0160 0100 0770 0800
70650   0110 0060 0160 1 03.6 01.5 03.6 2 1000 1000 1   0090 0050 0070 03.0 01.3 01.8 0100 0180 0100 1080 1040
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APPENDIX C - IDLE TEST RESULTS

CELL NO=14 MODEL YR(S)=1975

MAKE=DODGE PLYMOUTH MODEL=DART VALIANT

	DEW IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50005	0060	0040	0050	1	00.0	00.0	00.2	1	0800	0800	1	0040	0030	0010	00.0	00.0	00.0	0120	0180	0110	0760	0850
50067	0020	0025	0020	1	00.0	00.0	00.0	1	0600	0600	1	0030	0020	0030	00.0	00.0	00.0	0080	0420	0080	0550	0570
50073	0585	0190	0540	2	09.3	02.1	08.4	2	0800	0800	1	0400	0220	0400	09.2	00.0	09.1				0820	0820
50080	0105	0145	0120	1	01.9	03.1	01.4	2	0900	0900	2	0120	0220	0100	01.3	06.4	00.3				0810	0790
50098	0060	0070	0065	1	00.1	00.1	00.0	1	0800	0800	1	0090	0060	0050	00.0	00.3	00.0	0070	0120	0060	0650	0700
50100	0180	0095	0200	2	05.0	01.1	03.9	2	0800	0800	2	0120	0060	0100	02.5	00.8	01.7	0080	0900	0080	0750	0610
50101	0140	0045	0165	2	02.2	00.1	02.5	2	0900	0900	2	0160	0060	0210	01.9	00.4	02.1	0100	0780	0100	0700	0660
50111	0110	0105	0200	1	00.8	00.9	01.1	1	0800	0800	1	0080	0060	0130	00.4	00.3	00.5				0830	0830
50186	0080	0030	0095	1	01.0	00.0	01.0	1	0700	0700	1	0020	0050	0020	00.0	00.0	00.0	0050	0110	0070	0680	0680
50222	0450	0135	0585	2	07.5	00.5	07.5	2	0750	0750	1	0470	0520	0550	06.7	00.2	07.0				0740	0740
50261	0120	0135	0215	1	03.0	02.1	03.2	2	0900	0900	1	0130	0140	0130	01.4	01.7	01.0				0750	0760
50262	0150	0100	0170	1	04.4	01.0	04.4	2	1300	1300	2	0170	0090	0130	03.6	00.7	03.7				1280	1240
50267	0370	0170	0470	2	09.7	01.7	09.8	2	0700	0700	1	0310	0150	0290	08.0	00.7	08.3				0690	0690
50281	0200	0110	0250	2	07.8	01.8	07.5	2	0800	0800	1	0190	0080	0190	03.8	00.6	05.5				0770	0750
50308	0230	0160	0350	2	09.2	03.1	08.4	2	0750	0800	1	0280	0120	0220	08.3	00.9	06.4				0780	0860
50319	0070	0115	0160	1	01.7	00.0	01.4	2	0700	0700	1	0110	0070	0120	01.8	00.0	01.8				0750	0750
50337	0075	0085	0080	1	01.4	00.8	00.4	1	0700	0700	1	0050	0030	0020	01.3	00.0	00.0				0690	0690
50341	0165	0095	0110	1	03.0	02.0	01.7	2	0700	0700	1	0090	0070	0100	01.2	00.6	00.8				0740	0720
50344	0290	0250	0300	1	10.7	08.0	10.5	2	0750	0750	1	0390	0320	0440	09.9	08.9	08.9				0810	0850
50367	0105	0120	0100	1	04.9	01.0	05.2	2	0950	0950	1	0120	0080	0170	03.6	00.8	04.6				0830	0850
50380	0245	0270	0320	2	08.7	05.3	08.2	2	0700	0700	1	0300	0160	0240	07.9	02.5	07.8	0110	0320	0120	0740	0770
50385	0205	0230	0240	2	07.6	02.3	07.5	2	0850	0850	1	0200	0080	0190	06.3	00.3	07.1	0140	0330	0125	0780	0770
50416	0065	0065	0110	1	00.0	00.0	00.7	1	0850	0850	1	0060	0040	0030	00.2	00.0	00.0	0100	0340	0080	0870	0870
50436	0010	0001	0000	1	00.0	00.0	00.0	1	0850	0850	1	0030	0030	0030	00.0	00.1	00.0	0100	1000	0100	0770	0800
50450	0185	0135	0200	1	06.3	00.6	05.8	2	0600	0600	1	0220	0160	0200	04.3	01.8	04.6	0130	0800	0130	0640	0650
50460	0105	0115	0155	1	04.3	01.0	04.5	2	0750	0750	1	0160	0060	0140	03.5	00.1	03.5	0120	0710	0140	0750	0750
50464	0035	0025	0030	1	00.1	00.0	00.1	1	0800	0800	1	0030	0030	0030	00.0	00.0	00.0	0100	0360	0100	0830	0800
50468	0140	0150	0140	2	03.8	01.2	03.2	2	0600	0600	1	0150	0060	0250	01.8	00.2	02.1	0080	0360	0080	0570	0560
50482	2000	1260	2000	2	06.9	08.2	07.2	2	0400	0400	5	2960	0540	2930	09.3	06.4	09.3	0180	0140	0150	0420	0410
50530	0080	0205	0090	1	01.2	00.2	01.0	1			1	0100	0070	0090	00.5	00.1	00.9	0140	1100	0130	0780	0820
50543	0025	0020	0030	1	00.0	00.0	00.0	1	0800	0800	1	0020	0020	0020	00.0	00.0	00.0	0060	0130	0080	0830	0880
50546	0075	0100	0080	1	02.6	03.0	02.5	2	0800	0800	1	0150	0170	0140	03.5	04.0	03.1	0120	0430	0140	0880	0850
50556	0020	0025	0020	1	00.0	00.0	00.0	1	0850	0900	1	0090	0050	0030	00.5	00.1	00.0	0140	0300	0120	0890	0830
54018	0110	0045	0085	1	02.8	00.1	00.7	1	0900	0900	1	0160	0050	0060	00.4	00.0	00.0	0160	0120	0100	0760	0770
54024	0095	0010	0115	1	00.8	00.1	01.0	1	0700	0700	1	0070	0060	0060	00.4	01.2	00.0	0120	0280	0120	0660	0660
54025	0025	0035	0030	1	00.0	00.0	00.0	1	0800	0800	1	0080	0090	0050	00.2	00.4	00.0	0220	1600	0220	0700	0720
56001	1245	0260	1620	2	12.0	01.9	11.7	2	0400	0400	2	0910	0200	1140	09.9	01.0	09.9	0060	0220	0080	0470	0420
56005	0345	0725	0345	2	00.0	00.0	00.0	1	0900	1000	1	0700	0720	0460	00.0	00.0	00.0	0090	0140	0090	0800	0860
56006	0150	0040	0160	1	02.9	00.0	03.2	2	0700	0700	1	0180	0050	0190	04.0	00.7	04.2	0125	0900	0130	0650	0650
56034	0080	0070	0110	1	01.6	00.5	01.1	2	0900	0900	1	0100	0060	0080	00.0	00.7	00.0				0740	0730
56039	0150	0105	0150	1	02.7	00.3	02.5	2	0750	0750	1	0110	0040	0090	01.2	00.0	01.1	0130	1000	0140	0870	0900

APPENDIX C - IDLE TEST RESULTS

CELL NO=15 MODEL YR(S)=1976

MAKE=DODGE PLYMOUTH MODEL=DART VALIANT ASPEN VOLARE

	DEW IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
60199	0020	0025	0025	1	00.0	00.0	00.0	1	0800	0800	1	0040	0020	0030	00.0	00.0	00.0				0700	0780
60201	0190	0370	0230	1	05.1	00.2	03.8	2	0775	0755	1	0290	0200	0270	06.2	02.0	05.0	0100	0200	0110	0760	0820
60205	0075	0065	0060	1	00.1	00.0	00.0	1				0180	0090	0080	00.9	00.3	00.1	0130	0180	0120	1070	1030
60211	0395	0125	0500	2	06.7	00.6	06.4	2	1050	1050	2	0410	0100	0330	06.1	00.9	04.1	0120	0180	0120	0980	1060
60223	0175	0060	0175	1	01.4	00.1	01.5	2	0800	0800	1	0170	0050	0070	00.5	00.0	00.0	0010	0010	0010	0750	0750
60270	0305	0210	0390	2	03.7	01.1	03.4	2	0800	0800	1	0400	0130	0240	04.2	01.1	02.2				0870	0860
60280	0170	0060	0260	1	01.6	00.0	02.3	2	0800	0800	1	0300	0080	0310	00.8	00.5	00.6				0710	0710
60281	0230	0115	0135	1	01.1	00.3	01.0	1	0800	0800	1	0190	0060	0200	00.4	00.4	00.1				0860	0840
60287	0070	0040	0090	1	00.2	00.0	00.1	1	0800	0800	1	0060	0080	0050	00.0	00.4	00.0				0810	0850
60347	0415	0245	0475	2	07.6	11.6	07.0	2	0850	0800	1	0540	0300	0480	07.4	06.5	06.8				0800	0800
60348	0130	0100	0150	1	01.4	00.4	00.6	1	0800	0800	1	0200	0130	0120	01.6	01.1	00.1				0820	0810
60356	0330	0600	0410	2	04.2	00.4	04.4	2	0700	0700	1	0460	0160	0340	05.3	01.5	02.8				0720	0710
60388	0350	0105	0550	2	00.1	01.0	00.1	1	0700	0700	1	0470	0140	0520	00.3	00.9	00.3				0720	0740
60400	0105	0060	0130	1	02.3	00.1	01.9	2	0750	0750	1	0100	0060	0130	01.1	00.3	01.3				0800	0820
60413	0045	0075	0225	1	00.2	00.1	00.1	1	1000	1000	1	0100	0120	0170	00.3	00.2	00.2				1000	1020
60452	0370	0385	1025	2	09.1	01.6	09.0	2	0750	0750	1	0350	0080	0620	07.5	00.3	08.8				0670	0620
60462	0135	0090	0170	1	03.0	01.3	03.0	2	0900	0900	1	0240	0050	0200	02.7	00.4	00.0	0115	0140	0090	0880	0830
60483	0275	0215	0365	2	05.8	01.7	05.0	2	1000	1000	1	0380	0090	0360	05.6	00.4	04.4	0130	0590	0140	1070	1100
60495	0340	0180	0330	2	06.6	00.9	04.9	2	1050	1050	1	0370	0160	0360	06.2	02.4	05.8	0120	0290	0120	0870	0900
60526	0030	0040	0035	1	00.0	00.0	00.0	1	0800	0800	1	0170	0110	0100	00.2	00.1	00.0	0100	0140	0070	0800	0790
60530	1160	1130	1420	2	11.1	09.9	10.8	2	0600	0600	5	0900	0300	0810	08.7	05.8	08.3	0120	0140	0120	0730	0730
60581	0265	0090	0290	2	03.6	00.1	03.6	2	1100	1100	1	0320	0160	0350	03.1	00.0	03.1	0120	0160	0120	1040	1040
60584	0370	0065	0400	2	05.2	00.7	04.8	2	0650	0650	1	0570	0180	0580	05.5	00.4	05.6	0100	0780	0100	0680	0680
60622	0415	0120	0500	2	07.0	00.1	06.9	2	0700	0700	1	0560	0120	0570	08.5	00.0	08.1	0120	0420	0120	0650	0650
60633	0280	0160	0270	2	02.9	00.5	02.4	2	0900	0900	1	0180	0130	0230	01.6	00.3	01.8	0160	0220	0140	0900	0900
60640	0350	0220	0515	2	07.3	07.3	08.2	2	0800	0800	1	0370	0130	0410	05.5	00.5	06.5	0120	0800	0130	0800	0790
60642	0420	0320	0480	2	05.2	05.4	05.4	2	0900	0900	1	0450	0280	0470	04.9	06.5	05.0	0140	0300	0140	0920	0910
60679	0420	0190	0465	2	07.9	01.7	07.6	2	0800	0800	1	0360	0120	0330	05.3	00.6	05.1	0140	0780	0150	0820	0840
60688	0470	0630	0520	2	06.4	00.2	06.2	2	0850	0850	1	0490	0710	0520	05.6	00.3	05.6	0160	0220	0140	0800	0830
60702	0035	0050	0095	1	00.1	00.2	00.0	1	0600	0600	1	0030	0060	0040	00.0	00.8	00.0	0130	0250	0120	0790	0780
60723	0475	0305	0500	2	05.1	01.9	05.0	2	0650	0650	1	0700	0320	0690	06.3	01.7	06.5	0130	0960	0100	0660	0710
64009	0795	0845	0165	1	00.4	00.2	00.0	1	0850	0850	1	0340	0440	0140	00.0	00.0	00.0	0095	0220	0095	0700	0750
66006	0375	0140	0470	2	08.1	00.7	08.3	2	0950	0950	1	0370	0100	0420	06.7	00.2	07.6	0120	0210	0120	0850	0860
66007	0245	0110	0275	2	02.7	00.1	03.1	2	0800	0800	1	0190	0130	0210	01.2	00.3	01.9	0160	0250	0140	0810	0820
66008	0675	0240	0700	2	09.3	01.0	09.6	2	0800	0800	1	0810	0300	0800	09.2	02.1	08.7	0040	0060	0040	0660	0680
66038	0275	0195	0425	2	02.0	01.0	02.8	2	0600	0600	1	0360	0220	0310	02.2	01.8	00.5				0710	0720

APPENDIX C - IDLE TEST RESULTS

CELL NO=16   MODEL YR(S)=1977

MAKE=DODGE PLYMOUTH   MODEL=ASPEN VOLARE

	D E Q	I D L E	T E S T									H T S	I D L E	T E S T								
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70022	0040	0035	0075	1	00.0	00.0	00.0	1	0600	0600	1	0100	0050	0050	00.0	00.0	00.0	0040	0220	0060	0500	0530
70112	0100	0180	0260	1	00.1	00.9	00.0	1	0700	0700	1	0130	0100	0090	00.0	00.4	00.0	0020	0080	0020	0550	0580
70131	0020	0030	0020	1	00.0	00.4	00.0	1	0850	0850	1	0100	0080	0050	00.0	00.0	00.0				0690	0730
70135	0260	0070	0355	2	00.2	00.3	00.6	1	0550	0550	1	0250	0030	0130	00.0	00.0	00.0				0450	0450
70139	0155	0070	0215	1	01.5	00.3	02.3	2	0750	0750	1	0070	0060	0090	00.0	00.0	00.0				0690	0700
70179	0230	0100	0305	2	03.1	03.3	02.2	2	1000	1000	1	0240	0090	0280	00.1	01.0	00.3	0060	0540	0050	0780	0820
70238	0270	0140	0340	2	06.9	03.0	05.9	2	1000	1000	1	0210	0090	0330	04.6	01.6	05.8				0940	0970
70245	0135	0120	0140	1	01.6	03.6	00.5	1	0850	0850	1	0140	0090	0160	00.0	01.4	00.0				0730	0720
70286	0040	0050	0100	1	00.0	01.5	00.0	1	0600	0600	1	0090	0020	0060	00.0	00.0	00.0				0420	0490
70287	0115	0070	0150	1	02.4	00.7	02.0	2	0800	0800	1	0050	0060	0060	00.3	00.6	00.2				0820	0860
70307	0035	0075	0090	1	00.0	00.8	00.0	1	0600	0600	1	0120	0140	0130	00.0	00.1	00.0				0610	0640
70326	0130	0110	0190	1	01.7	00.2	02.5	2	0900	0900	1	0130	0130	0060	00.0	01.3	00.0				0730	0770
70335	0020	0040	0030	1	00.0	00.1	00.0	1	1000	1000	1	0130	0070	0080	00.0	00.0	00.0				0670	0930
70368	0015	0035	0025	1	00.0	00.1	00.0	1	0650	0650	1	0250	0080	0170	00.0	00.2	00.0				0600	0600
70383	0024	0085	0075	1	00.0	01.2	00.0	1	0700	0700	1	0100	0060	0050	00.3	00.2	00.0				0660	0660
70410	0135	0130	0120	1	00.0	01.0	00.1	1	0800	0850	1	0140	0170	0120	00.0	03.7	00.5				0750	0790
70412	0475	0230	0545	2	05.3	00.9	05.8	2	0850	0850	1	0470	0200	0430	02.5	01.4	03.6				0810	0830
70426	0350	0225	0390	2	06.5	02.7	06.2	2	0650	0650	1	0320	0220	0260	02.4	02.5	02.7	0100	0340	0100	0600	0680
70427	0160	0285	0185	1	03.5	03.0	02.7	2	0750	0750	1	0190	0140	0140	01.4	00.9	01.6	0110	0610	0100	0740	0750
70466	0265	0225	0310	2	07.5	00.2	07.5	2				0210	0090	0230	03.9	00.9	04.4	0120	0340	0120	0790	0840
70472	0305	0150	0305	2	02.6	00.1	03.1	2	0700	0700	1	0020	0020	0140	00.0	00.0	00.5	0080	0160	0080	0700	0710
70483	0100	0095	0130	1	00.7	00.5	00.4	1	0700	0700	1	0090	0060	0110	01.2	00.7	00.9	0120	0140	0130	1050	0990
70501	0030	0050	0040	1	00.0	00.1	00.0	1	0650	0700	1	0190	0040	0170	00.0	00.1	00.0	0040	0880	0050	0530	0550
70516	0015	0015	0015	1	00.0	00.0	00.0	1	0850	0850	1	0100	0040	0040	00.0	00.0	00.0	0060	0150	0060	0600	0610
70584	0095	0090	0105	1	01.0	00.4	00.0	1	0752	0752	1	0090	0130	0050	00.0	00.6	00.0	0110	0160	0100	0810	0880
70585	0040	0075	0110	1	00.0	01.1	00.1	1	0950	0950	1	0200	0120	0160	00.2	02.3	00.1	0130	0260	0130	0770	0800
70623	0105	0045	0135	1	00.3	00.0	01.2	1	0700	0850	1	0120	0040	0130	00.5	00.0	00.9	0100	0230	0130	0650	0700
70652	0340	0210	0350	2	05.3	00.0	05.3	2	0900	0900	1	0250	0120	0270	02.0	00.2	02.7	0160	0340	0160	0750	0780
74005	0015	0010	0040	1	00.0	00.0	00.0	1	0800	0800	1	0040	0030	0040	00.0	00.0	00.0	0040	0200	0080	0790	0820
74007	0045	0060	0165	1	00.1	00.1	00.2	1	0800	0800	1	0100	0060	0060	00.0	00.0	00.0	0075	0140	0080	0700	0770
76018	0720	0235	1200	2	03.4	00.7	04.5	2	0800	0800	1	0400	0300	0450	06.0	00.0	06.9	0090	0110	0090	0850	0870
76028	0340	0175	0470	2	04.7	00.4	05.7	2	0650	0650	1	0310	0190	0320	02.2	00.2	02.8	0080	0170	0090	0580	0610

APPENDIX C - IDLE TEST RESULTS

CELL NO=17   MODEL YR(S)=1975

MAKE=CHRYS DODGE PLY   MODEL=CORDOBA CORONET CHARGER FURY

	D E Q	I D L E	T E S T									H T S	I D L E	T E S T								
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50131	0040	0040	0080	1	00.0	00.0	00.0	1	0950	0950	1	0140	0040	0120	00.3	00.0	00.0				0750	0750
50136	0095	0075	0165	1	02.0	01.9	02.0	2	0750	0750	1	0080	0050	0040	00.0	01.9	00.7				0600	0770
50139	0120	0080	0140	1	01.9	01.5	01.0	1				0090	0090	0050	00.3	01.8	00.0	0070	0210	0060	0700	0720
50146	0170	0090	0200	1	03.9	00.1	03.9	2	0800	0800	1	0140	0040	0140	02.7	00.0	03.3				0770	0800
50151	0110	0040	0120	1	01.5	00.0	01.7	2	0650	0650	1	0040	0020	0030	00.0	00.0	00.0	0090	0120	0070	0590	0640
50214	1610	1580	1755	2	04.3	03.6	03.4	2	0700	0700	1	1530	1310	1620	02.9	00.4	02.7				0660	0690
50223	0210	0085	0200	2	04.7	00.6	04.8	2	0850	0850	1	0120	0050	0210	01.6	00.1	02.5				0710	0750
50255	0040	0030	0030	1	00.0	00.1	00.0	1	1000	1000	1	0040	0050	0030	00.2	00.1	00.0				0710	0800
50260	0070	0065	0040	1	00.0	00.1	00.0	1	0700	0700	1	0050	0030	0030	00.0	00.0	00.0				0670	0680
50272	0060	0035	0160	1	00.4	00.0	00.1	1	0750	0800	1	0030	0010	0030	00.0	00.0	00.0				0700	0710
50286	0080	0045	0095	1	01.6	00.4	01.4	2	0700	0700	1	0030	0020	0060	00.0	00.0	00.2				0780	0880
50294	0055	0025	0050	1	01.0	00.0	00.7	1	0800	0800	1	0050	0020	0030	00.0	00.0	00.0				0710	0740
50313	0195	0075	0225	2	05.4	00.6	04.5	2	0750	0650	1	0190	0210	0230	03.1	00.2	03.6				0640	0690
50351	0085	0065	0095	1	01.3	02.1	01.4	2	1200	1200	1	0150	0050	0160	00.7	00.0	02.5				1050	0900
50352	0035	0045	0045	1	00.0	00.0	00.0	1	0725	0750	1	0080	0020	0050	00.0	00.0	00.0				0690	0700
50359	0050	0055	0090	1	01.0	00.6	00.8	1	0650	0650	1	0080	0030	0080	00.0	00.0	00.0				0680	0760
50366	0115	0115	0515	1	04.5	00.3	04.4	2	0750	0750	1	0060	0530	0230	00.6	00.0	07.4				0950	0750
50389	0145	0065	0170	2	04.8	00.1	04.7	2	0850	0850	1	0160	0040	0140	03.1	00.0	03.3	0100	0130	0120	0730	0810
50400	0090	0050	0110	1	02.7	00.6	02.7	2	0900	0900	1	0190	0110	0110	02.4	03.2	02.2	0090	0140	0100	0790	0830
50413	0115	0135	0165	1	03.2	01.6	02.7	2	0800	0800	1	0120	0080	0120	02.1	00.0	02.2	0100	0160	0100	0780	0800
50422	0185	0115	0145	1	04.7	00.1	04.0	2	0850	0850	1	0150	0080	0160	03.9	00.0	03.9	0100	0170	0100	0860	0900
50449	0165	0060	0160	1	05.3	00.8	04.8	2	0750	0800	1	0150	0040	0140	03.9	00.9	04.3	0120	0160	0130	0750	0800
50462	0020	0015	0025	1	00.0	00.0	00.0	1	0850	0850	1	0130	0050	0040	00.3	00.0	00.0	0090	0120	0100	0830	0820
50473	0015	0070	0015	1	00.0	00.0	00.0	1	0950	1600	1	0030	0060	0030	00.0	00.0	00.0	0090	0120	0100	0950	0960
50476	0060	0065	0090	1	01.9	00.4	01.6	2	0900	1200	1	0050	0040	0090	00.0	00.6	00.6	0090	0370	0100	0740	0850
50480	0025	0020	0025	1	00.0	00.0	00.0	1	1050	1050	1	0030	0030	0030	00.0	00.0	00.0	0090	0400	0090	0930	0950
50481	0135	0085	0135	1	00.9	00.1	01.7	2				0120	0050	0140	00.5	00.6	00.9	0100	0160	0100	0700	0720
50498	0095	0065	0145	1	00.2	00.0	00.4	1	0650	0650	1	0130	0050	0120	00.7	00.0	00.6	0080	0180	0090	0600	0660
50521	0055	0065	0070	1	00.2	00.0	00.2	1	0800	0800	1	0050	0020	0030	00.3	00.0	00.0	0020	0170	0120	0850	0940
50553	0110	0065	0200	1	03.5	00.5	03.4	2	0800	0800	1	0050	0200	0100	00.9	00.0	02.0	0140	0340	0120	1050	0820
50561	0045	0035	0050	1	00.0	00.0	00.0	1	0900	0900	1	0150	0050	0060	00.0	00.0	00.0	0120	0420	0090	0700	0720
54014	0025	0040	0040	1	00.0	00.0	00.0	1	0650	0650	1	0060	0030	0030	00.0	00.0	00.0	0070	0240	0080	0640	0650
56003	0145	0115	0180	1	05.0	00.6	05.2	2	1000	1000	1	0160	0040	0160	03.9	00.0	04.8	0120	0150	0140	0870	1060

APPENDIX C - IDLE TEST RESULTS

CELL NO=18   MODEL YR(S)=1976

MAKE=DODGE PLY   MODEL=DART ASPEN VALIANT VOLARE

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
60009	0100	0150	0135	1	00.1	02.1	00.1	1	1150	1150	1	0210	0140	0170	00.4	01.8	00.2	0160	0170	0160	1090	1130
60144	0105	0090	0170	1	01.9	02.3	01.2	2	0800	0800	2	0140	0080	0160	01.3	01.3	00.8	0080	0120	0050	0760	0750
60151	0190	0150	0215	2	05.6	04.2	05.5	2	0800	0800	2	0190	0100	0180	04.3	01.4	04.4	0080	0130	0095	0780	0840
60186	0445	0785	0520	2	03.2	00.3	02.8	2	0750	0750	1	0450	0200	0470	02.4	00.9	03.2	0050	0130	0060	0960	0980
60209	0050	0035	0075	1	00.0	00.1	00.1	1	0750	0750	1	0080	0030	0060	00.0	00.0	00.0	0090	0150	0100	0710	0730
60231	0240	0070	0255	2	02.6	00.0	02.7	2	0750	0750	1	0310	0080	0330	00.4	00.0	00.7				0750	0750
60238	0240	0160	0380	2	03.1	00.5	03.5	2	0700	0700	1	0240	0030	0180	01.1	00.0	01.6				0770	0770
60239	0065	0070	0060	1	01.0	00.0	00.8	1	0700	0700	1	0120	0060	0060	00.5	00.0	00.0				0650	0650
60282	0655	0380	0660	2	03.5	00.7	03.4	2	0600	0600	1	0860	0310	0540	00.9	00.6	01.4				0600	0650
60302	0235	0155	0260	2	01.8	00.9	01.8	2	0950	0950	1	0300	0180	0330	01.9	01.4	01.5				0860	0940
60325	0090	0630	0100	1	02.5	00.6	00.3	1	0800	0800	1	0090	0920	0170	00.5	00.1	00.0				0730	0760
60327	0150	0125	0155	1	03.5	00.2	03.4	2	0800	0800	1	0130	0050	0130	01.9	00.0	02.0				0780	0890
60342	0250	0140	0315	2	02.6	01.1	02.2	2	0800	0800	1	0390	0140	0350	00.5	01.1	00.6				0580	0570
60365	0255	0200	0330	2	02.3	00.2	02.1	2	0750	0750	1	0690	0180	0400	01.4	00.4	00.6				0710	0740
60380	0015	0015	0025	1	00.0	00.0	00.0	1				0050	0020	0030	00.0	00.0	00.0				0700	0740
60381	0505	0170	0580	2	05.4	00.5	05.1	2	0800	0800	1	0500	0400	0520	03.1	00.3	03.8				0750	0780
60419	0065	0080	0100	1	00.5	00.0	00.5	1				0090	0020	0090	00.8	00.0	00.2				0860	0900
60434	0150	0080	0170	1	06.8	01.1	05.8	2	1000	1000	1	0160	0030	0160	05.9	00.0	05.7				0950	0970
60475	0225	0290	0260	2	02.2	00.2	02.1	2	0800	0800	1	0230	0540	0220	01.7	00.1	01.2	0100	0260	0120	0920	0980
60481	0025	0260	0065	1	00.0	02.2	00.3	1	0800	0800	1	0050	0070	0030	00.0	02.0	00.0	0080	0140	0100	0750	0820
60498	0070	0055	0100	1	02.2	00.1	01.4	2	0950	0950	1	0090	0020	0060	01.9	00.0	00.7	0080	0130	0070	0930	1000
60507	0425	0455	0475	2	05.2	00.1	04.6	2	0700	0700	1	0480	0190	0510	04.4	01.3	04.9	0090	0130	0100	0700	0740
60518	0210	0420	0220	1	00.0	00.1	00.0	1	0700	0700	1	0520	0360	0230	00.2	01.6	00.0	0060	0130	0060	0730	0720
60529	0605	0395	0570	2	05.3	02.1	05.1	2	1100	1100	1	0540	0140	0460	03.7	00.9	03.6	0110	0170	0120	1150	1160
60558	0390	0270	0455	1	07.4	02.2	07.3	2	0800	0800	1	0400	0140	0470	05.3	00.1	06.2	0120	0150	0140	0830	0840
60562	0130	0085	0150	1	03.1	00.2	03.0	2	0900	0900	1	0160	0140	0160	02.1	02.1	01.8	0100	0150	0110	0850	0890
60572	0150	0165	0105	1	00.0	00.0	00.0	1	0750	0750	1	0130	0310	0080	00.2	00.2	00.1	0090	0200	0090	0670	0690
60605	0350	0220	0425	2	02.4	01.0	02.2	2	0750	0800	1	0440	0230	0440	02.1	01.4	02.5	0110	0180	0120	0780	0800
60610	0240	0205	0215	1	06.1	04.7	05.7	2	0650	0650	1	0270	0130	0260	05.8	00.9	05.9	0120	0440	0130	0580	0600
60627	0110	0115	0200	1	02.3	00.1	02.3	2				0090	0030	0100	01.4	00.3	01.7	0110	0280	0120	0750	0760
60629	0260	0220	0295	2	02.6	02.4	02.2	2				0200	0270	0190	00.2	02.8	00.0	0100	0160	0110	0860	0910
60635	0235	0100	0265	2	05.6	01.2	04.9	2	0800	0800	1	0260	0100	0270	05.0	01.5	05.2	0120	0510	0140	0810	0820
60637	0245	0650	0475	2	01.3	00.2	01.3	2	1150	1200	2	0350	0260	0180	00.8	00.1	00.1	0160	0180	0140	1150	1160
60722	0360	0695	0440	2	02.1	00.2	02.0	2	0750	0750	1	0260	0760	0280	01.9	00.2	01.8	0100	0170	0110	0710	0740
64006	0505	0125	0105	1	00.1	00.1	00.0	1	0750	0775	1	0510	0140	0100	00.2	00.0	00.0	0060	0160	0080	0750	0760
66034	0320	0385	0350	2	04.1	00.1	03.5	2	1000	1000	1	0290	0460	0360	03.0	00.2	04.0	0140	0200	0140	0850	0850

APPENDIX C - IDLE TEST RESULTS

CELL NO=19   MODEL YR(S)=1977

MAKE=CHRYS DODGE PLY   MODEL=CORDOBA CORONET ASPEN VOLARE FURY

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70044	0015	0035	0010	1	03.1	00.5	00.0	1	0900	0900	1	0140	0030	0100	04.8	00.0	03.0	0090	0260	0090	0880	0890
70050	0045	0025	0060	1	00.1	00.0	00.0	1	0800	0800	1	0100	0030	0080	00.0	00.0	00.0	0150	0500	0750	0760	0750
70051	0080	0025	0110	1	00.2	00.2	01.1	1	0850	0850	1	0120	0050	0140	00.5	00.0	00.9	0140	0200	0150	0700	0740
70107	0110	0075	0095	1	02.7	02.6	01.7	2	0950	0950	1	0080	0030	0080	00.9	00.4	01.1	0090	0140	0100	0830	0890
70130	0100	0080	0170	1	04.3	03.0	04.3	2	0800	0800	1	0160	0090	0170	02.7	01.7	03.1				0770	0780
70149	0185	0150	0200	1	04.1	08.1	02.3	2	0650	0650	1	0130	0120	0180	00.0	07.3	01.4				0510	0610
70153	0195	0150	0215	1	03.5	05.0	03.3	2				0030	0090	0100	00.0	03.5	00.8				0870	0930
70165	0055	0030	0050	1	00.9	00.1	00.5	1	0850	0850	1	0020	0030	0010	00.0	00.7	00.0	0040	0160	0060	0740	0810
70180	0665	0165	0650	2	08.6	04.1	08.5	2	0450	0450	1	0620	0160	0560	07.3	03.9	07.5	0080	0150	0080	0500	0490
70182	0255	0175	0290	2	04.9	03.7	05.0	2	0750	0750	1	0250	0130	0280	03.9	02.4	05.2	0070	0230	0080	0730	0760
70184	0135	0050	0165	1	02.7	00.1	02.3	2	0800	0800	1	0130	0030	0120	01.9	01.2	01.9				0790	0820
70195	0135	0065	0140	1	01.6	01.1	01.3	2	0700	0700	1	0120	0040	0120	00.8	00.8	01.2				0730	0740
70243	0140	0055	0150	1	04.3	00.1	04.4	2	1000	1000	1	0140	0050	0160	03.4	00.8	04.1				0890	0950
70302	0020	0035	0030	1	00.0	01.3	00.0	1	0900	0900	1	0020	0020	0030	00.0	00.1	00.0				0770	0790
70305	0030	0040	0045	1	00.0	00.0	00.0	1	0700	0700	1	0100	0030	0060	00.0	00.1	00.0				0670	0710
70319	0115	0070	0145	1	00.0	02.4	00.1	1	0900	0900	1	0100	0120	0090	00.1	03.4	00.3				0710	0730
70356	0050	0020	0065	1	00.7	00.7	00.9	1	0850	0850	1	0030	0030	0050	00.0	00.7	00.3				0790	0860
70367	0030	0055	0140	1	00.0	01.1	00.2	1	0750	0750	1	0110	0030	0100	00.1	00.4	00.0				0680	0720
70399	0060	0040	0050	1	00.1	00.5	00.1	1	1100	1100	1	0060	0020	0040	00.3	00.0	00.2				1010	1060
70414	0070	0035	0045	1	00.0	00.0	00.0	1	0750	0750	1	0030	0010	0030	00.0	00.0	00.0	0060	0190	0070	0680	0690
70464	0055	0055	0045	1	00.0	00.2	00.0	1	0800	0800	1	0080	0050	0050	00.1	00.2	00.0	0060	0130	0060	0710	0720
70467	0010	0025	0030	1	00.0	00.0	00.0	1	0800	0800	1	0080	0020	0020	00.1	00.0	00.0	0080	0140	0060	0800	0810
70471	0045	0040	0050	1	00.0	00.0	00.0	1	0850	0850	1	0100	0070	0040	00.1	01.2	00.0	0060	0160	0060	0720	0720
70481	0140	0080	0160	1	03.2	01.2	02.9	2	0755	0800	1	0080	0030	0140	00.6	00.0	01.7	0080	0150	0090	0730	0790
70499	0015	0015	0025	1	00.0	00.1	00.0	1	0750	0750	1	0050	0030	0050	00.0	00.3	00.0	0060	0160	0070	0710	0760
70514	0045	0040	0060	1	00.0	00.0	00.0	1	0700	0700	1	0030	0030	0030	00.0	00.0	00.0	0060	0220	0090	0670	0730
70524	0200	0085	0225	2	04.1	01.5	04.2	2	0650	0650	1	0140	0050	0160	01.7	00.2	02.5	0090	0220	0100	0660	0670
70535	0020	0015	0025	1	00.2	00.0	00.0	1	0750	0750	1	0070	0020	0050	00.0	00.0	00.0	0070	0130	0090	0700	0740
70567	0175	0075	0200	2	03.0	00.1	03.0	2	0750	0750	1	0190	0080	0180	03.6	00.5	03.6	0090	0200	0080	0770	0790
70613	0195	0060	0190	2	03.2	00.2	03.0	2	0700	0700	1	0190	0040	0190	02.2	00.0	01.9	0040	0100	0040	0610	0630
70621	0020	0065	0025	1	00.2	03.1	00.0	1	0900	0900	1	0040	0080	0040	00.0	01.4	00.0	0080	0160	0050	0790	0820
70661	0055	0010	0045	1	00.0	01.4	00.0	1	0600	0600	1	0080	0020	0060	00.0	00.0	00.0	0020	0180	0060	0520	0600
74020	0040	0035	0040	1	00.1	00.0	00.1	1	0800	0800	1	0060	0020	0050	00.0	00.0	00.0	0120	0310	0130	0690	0680
74025	0060	0020	0035	1	00.3	00.0	00.2	1	1000	1000	1	0060	0010	0020	00.2	00.0	00.1	0110	0410	0090	0900	0970
74028	0050	0015	0015	1	00.0	00.3	00.0	1	0900	0900	1	0060	0020	0020	00.0	00.0	00.0	0080	0290	0080	0650	0650
74031	0065	0065	0065	1	00.0	00.9	00.0	1	0750	0750	1	0090	0060	0060	00.1	01.1	00.0				0740	0770
76016	0220	0095	0250	1	06.3	03.0	05.5	2	0800	0800	1	0150	0040	0150	01.8	00.4	02.3	0100	0180	0100	0750	0770

APPENDIX C - IDLE TEST RESULTS

CELL NO=20 MODEL YR(S)=1975,1976

MAKE=CHRYS DODGE PLY MODEL=CORDOBA CORONET FURY

	D E W IDLE TEST HC				CO				RPM			H T S IDLE TEST HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50121	0010	0010	0025	1	00.0	00.0	00.2	1	0900	0900	1	0020	0010	0020	00.0	00.0	00.0				0810	0780
50128	0070	0030	0075	1	02.0	00.0	01.8	2	0800	0800	1	0080	0020	0090	01.3	00.0	01.6				0760	0740
50132	0950	0435	1095	2	03.0	00.0	03.5	2	0800	0800	1	0980	0890	1110	05.6	00.8	04.6				0800	0800
50189	0170	0045	0165	1	05.5	00.0	04.8	2	0900	0900	1	0160	0030	0120	05.6	00.0	03.7	0090	0200	0080	0850	0870
50192	0120	0130	0170	1	04.4	00.8	04.5	2	0650	0650	1	0160	0060	0160	04.8	00.4	04.5				0680	0660
50251	0255	0080	0265	2	07.0	01.1	07.3	2	0700	0700	1	0270	0030	0240	07.1	00.1	07.0				0750	0760
50252	0140	0080	0145	1	04.0	02.3	02.3	2	0750	0750	1	0140	0050	0100	02.4	01.0	00.9				0660	0650
50274	0020	0070	0025	1	00.0	00.0	00.0	1	0750	0750	1	0030	0010	0020	00.0	00.0	00.0				0850	0910
50277	0095	0055	0105	1	02.6	01.0	02.0	2	0800	0800	1	0090	0030	0060	02.3	00.2	01.2				0770	0780
50376	0075	0055	0095	1	01.6	00.1	01.2	2	0800	0800	1	0230	0030	0240	05.7	00.0	05.8	0090	0370	0100	0710	0710
50387	0130	0125	0150	1	04.6	01.4	04.7	2	0900	0900	1	0180	0060	0130	06.2	00.6	04.7	0100	0400	0110	0800	0780
50394	0065	0045	0105	1	02.3	00.6	03.0	2	0800	0800	1	0160	0080	0090	06.6	02.2	03.1	0100	0240	0100	0800	0810
50401	0070	0020	0180	1	00.6	00.3	00.3	1	0750	0750	1	0140	0050	0100	00.6	00.2	00.5	0060	0180	0080	0690	0680
50425	0180	0105	0290	2	06.5	00.5	07.3	2	0800	0800	1	0280	0080	0240	08.4	00.0	07.8	0100	0240	0100	0810	0890
50444	0035	0035	0045	1	00.0	00.0	00.0	1	0850	0850	1	0040	0020	0030	00.4	00.0	00.0	0075	0220	0080	0810	0800
50453	0085	0065	0105	1	00.9	00.6	00.4	1	0650	0650	1	0180	0040	0180	02.8	00.0	03.4	0090	0360	0110	0640	0640
50463	0050	0030	0070	1	00.7	00.2	00.6	1	0800	0800	1	0090	0030	0090	01.0	00.0	01.2	0090	0160	0090	0710	0740
50493	0080	0025	0135	1	03.6	00.0	03.5	2	0850	0850	1	0140	0030	0100	03.1	00.0	02.2	0100	0200	0110	0600	0780
56002	0105	0035	0120	1	01.6	00.1	02.1	2	0700	0700	1	0160	0040	0160	00.0	00.2	00.0	0050	0275	0080	0570	0610
56021	0095	0020	0115	1	04.0	00.1	04.3	2	1500	1600	2	0160	0030	0120	03.3	00.0	02.7	0080	0440	0090	1000	1120
60133	0040	0025	0060	1	00.4	00.0	00.8	1	0900	0900	1	0090	0020	0030	00.0	00.0	00.0	0050	0260	0060	0690	0750
60246	0260	0110	0340	2	00.1	02.1	00.0	1	0650	0650	1	0330	0200	0200	00.2	01.5	00.1				0600	0660
60344	0080	0365	0130	1	01.5	01.5	01.0	1	0800	0800	1	0140	0070	0120	01.9	01.1	00.8				0640	0640
60354	0045	0065	0115	1	00.5	02.2	01.5	1	0750	0750	1	0060	0090	0050	00.2	02.2	00.0				0770	0780
60359	0160	0110	0240	1	05.6	02.6	06.1	2	0800	0800	1	0190	0090	0170	05.8	01.4	05.2				0770	0820
60376	0235	0065	0255	2	06.2	01.2	06.0	2	0650	0650	1	0320	0080	0250	07.8	01.2	07.0				0730	0750
60398	0025	0020	0045	1	00.0	00.0	00.1	1	0750	0900	3	0400	0030	0240	00.0	00.0	00.0				0690	0690
60579	0020	0025	0035	1	00.0	00.0	00.0	1	0700	0700	3	0080	0030	0040	00.0	00.0	00.0	0060	0240	0060	0600	0630
60639	0070	0025	0095	1	00.8	00.1	01.0	1	0750	0700	1	0290	0050	0260	00.0	00.0	00.0	0080	0140	0080	0620	0640
60717	0045	0040	0095	1	01.2	01.4	00.1	1	0800	0800	1	0070	0050	0060	01.3	00.6	00.7	0090	0280	0080	0820	0800
66004	0095	0020	0090	1	03.6	00.1	03.7	2	1000	1000	1	0050	0050	0040	01.0	00.0	00.2	0080	0360	0070	0920	0940
66018	0065	0020	0011	1	01.2	00.1	01.7	2	0800	0800	1	0110	0050	0090	00.5	00.0	00.9	0090	0450	0100	0750	0780
66021	0205	0055	0250	1	05.2	00.0	05.1	2	0750	0800	1	0280	0040	0250	05.7	00.0	05.9	0130	0460	0140	0640	0720
66042	0180	0070	0240	1	01.9	00.3	02.5	2	1050	1050	1	0200	0080	0270	01.7	01.5	00.9				0930	0950

APPENDIX C - IDLE TEST RESULTS

CELL NO=22 MODEL YR(S)=1975

MAKE=FORD MERC MODEL=PINTO MUSTANG II BOBCAT

	D E W IDLE TEST HC				CO				RPM			H T S IDLE TEST HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50082	0035	0040	0040	1	00.7	00.4	00.5	1	1200	1200	1	0050	0020	0030	00.6	00.1	00.8	0070	0160	0070	1220	1280
50112	0180	0160	0200	1	03.1	01.8	03.1	2	0750	0750	1	0240	0150	0160	02.6	00.8	02.3				1160	1170
50159	0030	0025	0035	1	00.0	00.0	00.0	1	1100	1100	1	0050	0020	0030	00.0	00.0	00.0	0040	0220	0050	0990	1040
50167	0055	0170	0105	1	00.4	00.2	00.4	1	0800	0800	1	0170	0230	0100	00.1	00.2	00.3	0020	0030	0020	0730	0770
50173	0040	0115	0060	1	00.4	00.2	00.3	1	1150	1100	1	0030	0090	0020	00.0	00.2	00.0	0030	0050	0030	1010	1070
50204	0080	0420	0180	1	01.5	01.0	01.0	1	0800	0800	1	0130	0070	0130	01.6	00.3	01.8				0820	0830
50208	0015	0010	0020	1	00.1	00.0	00.0	1	0800	0800	1	0050	0010	0030	00.0	00.0	00.0				0790	0810
50231	0015	0025	0020	1	00.0	00.1	00.0	1	1150	1150	1	0040	0020	0030	00.0	00.0	00.0				0980	1060
50248	0035	0040	0040	1	00.7	00.1	00.7	1	0800	0800	1	0080	0060	0070	00.8	00.3	00.6				0800	0810
50292	0040	0020	0085	1	01.0	00.1	00.5	1	0900	0900	1	1050	0630	0960	00.1	00.1	00.1				0890	0910
50293	0020	0025	0055	1	00.1	00.3	00.1	1	1300	1300	2	0040	0030	0050	00.2	00.3	00.5				1170	1180
50299	0055	0045	0105	1	01.4	00.2	01.4	1	0800	0800	1	0090	0040	0090	02.4	00.3	02.1				0810	0840
50335	0030	0020	0020	1	00.8	00.3	00.5	1	0800	0800	1	0020	0020	0020	06.5	02.6	06.8				0980	0990
50368	0050	0050	0050	1	01.4	00.5	01.1	2	0800	0800	1	0090	0070	0060	01.2	00.2	00.7				0850	0890
50378	0145	0060	0065	1	00.0	00.4	00.0	1	1050	1050	1	0310	0050	0250	00.0	00.0	00.0	0030	0110	0010	0800	0800
50379	0105	0090	0665	1	02.0	00.3	01.3	2	1000	1000	1	1110	1120	1120	01.9	00.3	00.7	0080	0180	0090	0820	1060
50407	0080	0070	0145	1	00.0	00.0	00.0	1	1050	1050	3	0050	0020	0020	00.0	00.0	00.0	0040	0070	0030	0850	0920
50417	0025	0015	0015	1	00.0	00.1	00.0	1	1000	1000	1	0060	0030	0040	00.0	00.0	00.0	0050	0090	0040	1010	1050
50474	0040	0030	0045	1	00.9	00.1	00.9	1	1100	1100	1	0040	0020	0030	00.9	00.2	00.7	0050	0160	0050	1080	1130
50500	0005	0070	0170	1	02.5	00.6	02.4	2	0750	0750	1	0210	0030	0070	01.1	00.2	01.2	0060	0130	0070	0840	0900
50501	0060	0000	0080	1	01.5	00.4	01.4	2				0080	0060	0060	01.6	00.2	01.5	0020	0080	0060	0870	0890
50503	0465	0115	0420	2	00.5	00.1	00.1	1	0575	0575	4	0030	0100	0860	00.1	00.2	00.3	0060	0050	0050	0850	0640
50504	0075	0075	0110	1	01.3	00.3	01.2	2	0800	0850	1	0080	0100	0090	01.1	00.2	01.3	0060	0080	0060	0740	0790
50508	0040	0040	0095	1	01.0	00.1	00.8	1			4	0020	0060	0020	00.3	00.2	00.3	0040	0060	0040	0710	0760
50509	0005	0015	0010	1	00.0	00.0	00.0	1	0900		1	0030	0050	0030	00.0	00.0	00.0	0070	0110	0080	0970	0980
50512	0020	0030	0030	1	00.3	00.1	00.2	1	1500	1600	2	0050	0040	0040	00.5	00.3	00.4	0050	0090	0050	1610	1680
50514	0030	0025	0035	1	00.0	00.0	00.0	1	0800	0800	1	0060	0040	0030	00.0	00.0	00.0	0050	0220	0040	0760	0810
50516	0040	0050	0030	1	00.1	00.2	00.0	1			4	0120	0060	0120	00.2	00.4	00.2	0050	0110	0060	0800	0800
50541	0025	0030	0110	1	02.4	00.6	02.0	2	0700	0700	1	0090	0030	0060	01.4	00.3	01.2	0050	0200	0060	0860	0900
50552	0050	0070	0125	1	01.5	00.9	01.4	2	1000	1050	1	0080	0130	0080	01.2	00.3	01.9	0040	0080	0040	0880	0920
50560	0050	0090	0080	1	00.0	00.1	00.0	1	0800	0800	1	0040	0030	0040	00.0	00.1	00.0	0050	0130	0060	0920	0910
56004	0055	0025	0060	2	01.9	00.2	01.9	2	0900	1000	2	0050	0030	0050	01.4	00.1	01.3	0040	0080	0030	1000	0980

APPENDIX C - IDLE TEST RESULTS

CELL NO=23   MODEL YR(S)=1975

MAKE=FORD MERC   MODEL=PINTO MUSTANG II BOBCAT

```
         ---------D E Q      I D L E      T E S T----------   ------------------H T S    I D L E      T E S T---------------
         -------HC-------  --------CO-------  ----RPM----   -----HC------  -----CO------  -----NOX-----  --RPM---
EPA NO   1ST  2500 2ND  S 1ST  2500 2ND  S 1ST  2ND  S   1ST  2500 2ND  1ST  2500 2ND  1ST  2500 2ND  1ST  2ND

50007    0040 0035 0035 1 00.3 00.1 00.2 1 1200 1200 1   0040 0020 0050 00.3 00.1 00.7 0060 0090 0050 0950 0810
50016    0025 0020 0025 1 00.5 00.2 00.4 1 1100 1100 1   0040 0020 0020 00.0 00.3 00.1 0090 0100 0050 0910 1000
50043    0070 0025 0035 1 01.8 00.0 00.0 1 0800 0800 1   0060 0020 0050 00.0 00.0 00.0 0050 0160 0050 0810 0790
50052    0025 0030 0025 1 01.0 00.2 00.5 1 0950 0950 1   0020 0060 0050 00.9 00.4 00.6 0060 0180 0090 0820 1210
50054    0065 0070 0075 1 00.0 00.0 00.0 1 1000 1000 1   0060 0050 0050 00.0 00.0 00.0 0050 0130 0050 1020 1080

50071    0065 0025 0065 1 02.0 00.1 01.8 2 0800 0800 1   0130 0050 0090 02.0 00.2 01.8                0700 0750
50075    0025 0025 0035 1 00.5 00.2 00.5 1 0900 0900 1   0030 0020 0020 00.5 00.4 00.5 0030 0040 0030 0850 0870
50077    0030 0015 0030 1 01.1 00.1 01.1 2 0800 0800 1   0050 0030 0040 00.9 00.1 00.8 0030 0040 0040 0710 0750
50090    0350 0085 0400 2 00.1 00.6 00.1 1 0600 0600 1   0770 0090 0420 00.1 00.6 00.1                0630 0640
50095    0040 0050 0055 1 00.0 00.0 00.0 1 1050 1050 1   0030 0030 0040 00.0 00.0 00.0 0060 0100 0055 1130 1190

50130    0045 0030 0065 1 00.8 00.1 00.8 1 0900 0900 1   0080 0030 0060 00.8 00.3 00.7                0630 0670
50145    0060 0050 0075 1 01.2 00.2 01.0 1 0850 0900 1   0080 0030 0060 01.1 00.3 00.8                0790 0840
50161    0065 0095 0170 1 00.0 00.5 00.0 1 0900 0900 1   0070 0030 0060 00.2 00.8 00.2 0010 0050 0020 0930 0950
50169    0360 0060 0195 1 00.6 00.1 00.5 1 0800 0800 1   0290 0030 0280 00.5 00.2 00.6 0030 0050 0020 0640 0710
50175    0050 0045 0055 1 01.4 00.4 01.3 2 0850 0850 1   0080 0050 0060 00.9 00.3 01.1 0040 0080 0040 0870 0830

50176    0065 0050 0045 1 01.5 00.0 01.5 2 0900 0900 1   0200 0030 0190 04.4 00.6 04.6 0060 0050 0060 0760 0690
50233    0020 0020 0025 1 00.0 00.0 00.0 1 0750 0750 1   0010 0020 0010 00.0 00.0 00.0                0750 0800
50238    0040 0035 0050 1 00.2 00.2 00.2 1 0900 0900 1   0060 0020 0040 00.2 00.4 00.2                0850 0860
50268    0040 0030 0060 1 00.0 00.0 00.0 1 0900 0900 1   0050 0020 0030 00.0 00.0 00.0                0830 0870
50273    0090 0260 0170 1 00.5 02.0 00.4 1 1000 1000 1   0460 0810 0500 00.7 00.9 00.7                1010 1000

50305    0045 0035 0040 1 01.1 00.1 01.1 2 0950 0950 1   0080 0050 0050 01.2 00.2 00.9                0830 0940
50322    0025 0025 0100 1 00.9 00.4 00.7 1 0800 0800 1   0050 0030 0040 00.8 00.4 00.7                0820 0850
50348    0025 0015 0015 1 00.1 00.1 00.1 1 1400 1800 2   0050 0030 0020 00.1 00.2 00.1                0960 1680
50360    0040 0060 0060 1 00.0 00.0 00.0 1 0750 0750 1   0080 0100 0080 00.0 00.0 00.0                0690 0770
50363    0750 0130 0620 2 00.1 00.1 00.1 1 0900 0900 1   0790 0080 0650 00.1 00.2 00.1                0640 0710

50393    0025 0025 0025 1 00.3 00.1 00.2 1 1650 1650 2   0030 0020 0020 00.2 00.1 00.1 0040 0060 0020 0710 0770
50406    0030 0020 0250 1 00.6 00.3 02.6 1 1000 1600 1   0080 0030 0070 00.7 00.0 01.1 0040 0070 0040 0760 1390
50412    0035 0030 0170 1 01.2 00.2 00.7 1 1500 0850 1   0090 0060 0100 01.0 00.4 00.7                0950 0890
50418    0595 0600 0180 2 02.9 01.0 03.5 2 0400 0400 1   0060 0060 0030 00.7 00.1 00.2 0030 0060 0030 0490 0580
50428    0310 0280 0260 2 00.3 00.8 00.0 1 0700 0700 3   0290 0080 0210 00.1 00.1 00.5 0070 0150 0070 0700 0710

50432    0020 0025 0030 1 00.0 00.0 00.0 1 0800 0862 1   0020 0020 0020 00.0 00.0 00.0 0040 0090 0040 0860 0870
50433    0040 0035 0050 1 01.1 00.8 00.7 1 0700 0700 1   0040 0020 0030 00.8 00.1 00.7 0040 0080 0040 0980 0870
50490    0075 0090 0105 1 01.2 01.7 00.9 1 0800 0800 1   0180 0060 0160 01.0 00.2 01.0 0040 0090 0040 0800 0800
50517    0055 0045 0060 1 01.1 00.1 00.9 1 0800 0800 1   0090 0030 0050 01.5 00.2 01.1 0040 0100 0050 0770 0830
50519    0055 0065 0055 1 01.7 00.4 01.8 2 1000 1050 1   0040 0020 0030 00.6 00.2 00.7 0050 0120 0050 0830 0850

50525    0025 0020 0030 1 00.9 00.5 00.5 1 0750 0800 1   0100 0050 0060 01.1 00.4 00.9 0060 0090 0060 0950 1050
50540    0320 0350 0350 2 04.9 06.9 04.9 2 0700 0700 5   0200 0100 0180 04.0 00.7 03.8 0080 0180 0080 0690 0710
50558    0020 0020 0020 1 00.0 00.0 00.0 1 0800 0850 1   0030 0020 0030 00.0 00.0 00.0 0050 0090 0060 0810 0860
54013    0020 0030 0020 1 00.0 00.0 00.0 1 0800 0800 1   0070 0060 0070 00.0 00.0 00.0 0040 0100 0040 0780 0810
54023    0124 0040 0110 1 01.6 00.2 01.3 1 0800 0800 1   0140 0040 0160 01.0 00.3 01.1 0040 0120 0040 0730 0740

54040    0045 0015 0045 1 00.8 00.6 00.8 1 1500 1500 1   0010 0010 0020 00.1 00.0 00.2 0040 0060 0040 1330 1320
```

APPENDIX C - IDLE TEST RESULTS

CELL NO=24   MODEL YR(S)=1976

MAKE=FORD MERC   MODEL=PINTO MUSTANG II BOBCAT

```
         ---------D E Q      I D L E      T E S T----------   ------------------H T S    I D L E      T E S T---------------
         -------HC-------  --------CO-------  ----RPM----   -----HC------  -----CO------  -----NOX-----  --RPM---
EPA NO   1ST  2500 2ND  S 1ST  2500 2ND  S 1ST  2ND  S   1ST  2500 2ND  1ST  2500 2ND  1ST  2500 2ND  1ST  2ND

60064    0080 0065 0070 1 00.0 00.0 00.0 1 0950 0950 1   0080 0120 0050 00.0 00.0 00.0 0060 0090 0060 0880 0920
60098    0020 0020 0080 1 00.0 00.0 00.0 1 1000 1000 1   0030 0030 0020 00.0 00.0 00.0 0070 0140 0060 1010 1050
60126    0025 0030 0040 1 00.0 00.0 00.0 1               0040 0030 0020 00.0 00.0 00.0 0030 0130 0020 0920 0960
60128    0020 0035 0025 1 00.0 00.0 00.0 1               0030 0180 0030 00.0 00.0 00.0 0040 0080 0040 1050 1100
60153    0045 0060 0050 1 00.0 00.0 00.0 1 0950 0950 1   0030 0010 0010 00.0 00.0 00.0 0040 0130 0030 0830 0900

60234    0020 0020 0025 1 00.0 00.0 00.0 1 0650 0650 1   0050 0020 0040 00.0 00.0 00.0                0640 0650
60250    0105 0025 0040 1 01.0 00.0 00.0 1 0800 0800 1   0040 0090 0030 00.0 00.0 00.0                0700 0760
60255    0075 0015 0110 1 00.0 00.0 00.0 1 1000 1000 1   0100 0030 0070 00.0 00.0 00.0                1080 1100
60328    0030 0115 0025 1 00.0 00.0 00.0 1 1000 1000 1   0060 0020 0030 00.0 00.0 00.0                0960 1020
60334    0020 0025 0035 1 00.0 00.0 00.0 1 0800 0850 1   0040 0050 0030 00.0 00.0 00.0                0620 0640

60343    0020 0025 0035 1 00.0 00.0 00.0 1 0900 0950 1   0030 0020 0030 00.0 00.0 00.0                0790 1030
60352    0020 0060 0025 1 00.0 00.0 00.0 1 1000 1000 1   0090 0120 0060 00.0 00.0 00.0                0890 0950
60353    0015 0050 0040 1 00.0 00.0 00.0 1 1000 1000 1   0060 0090 0030 00.0 00.0 00.0                0930 0970
60406    0035 0060 0070 1 00.0 00.5 00.0 1 0800 0850 1   0045 0025 0030 00.0 00.2 00.0                0860 0870
60491    0015 0035 0030 1 00.0 00.0 00.0 1 1500 1500 2   0020 0020 0020 00.0 00.0 00.0 0060 0130 0070 1420 1540

60493    0190 0220 0185 2 03.4 01.7 02.9 2 1050 1050 3   0220 0110 0170 01.7 01.6 02.2 0090 0280 0110 0830 0900
60512    0040 0025 0025 1 00.8 00.5 00.0 1 0600 0600 1   0090 0030 0050 00.0 00.0 00.0 0030 0110 0040 0740 0790
60513    0025 0030 0035 1 00.0 00.0 00.0 1 0800 0800 1   0050 0020 0030 00.0 00.0 00.0 0040 0100 0050 0790 0860
60516    0025 0080 0030 1 00.0 00.0 00.0 1 1200 1200 1   0030 0220 0020 00.0 00.0 00.0 0040 0080 0040 1100 1120
60525    0015 0025 0020 1 00.0 00.1 00.0 1 0600 0600 1   0030 0020 0020 00.0 00.0 00.0 0040 0110 0040 0740 0820

60538    0025 0035 0035 1 00.0 00.0 00.0 1 1100 1100 1   0030 0020 0020 00.0 00.0 00.0 0045 0160 0050 1120 1110
60563    0015 0015 0015 1 00.0 00.0 00.0 1 1100 1100 1   0030 0040 0030 00.0 00.0 00.0 0040 0120 0060 0800 1080
60582    0030 0020 0125 1 00.0 00.0 00.0 1 0800 0800 1   0100 0030 0080 00.0 00.0 00.0 0060 0220 0100 0840 0940
60647    0015 0035 0040 1 00.0 00.0 00.0 1 1000 1050 1   0080 0220 0050 00.4 00.0 00.0 0040 0080 0040 0890 0940
60650    0015 0035 0030 1 00.0 00.0 00.0 1 0750 0750 1   0030 0020 0010 00.0 00.0 00.0 0080 0100 0040 0800 0900

60666    0025 0045 0030 1 00.0 00.0 00.0 1 0800 0800 1   0030 0090 0030 00.0 00.0 00.0                0850 0870
60670    0030 0175 0045 1 00.0 00.0 00.0 1 0800 0800 1   0110 0150 0060 00.6 00.0 00.0 0020 0030 0020 0760 0810
60695    0175 0120 0225 1 03.0 01.2 03.3 2               0050 0040 0050 00.1 00.2 00.0 0050 0140 0050 0800 0800
60718    0025 0050 0075 1 00.0 00.0 00.0 1 1000 1000 1   0020 0050 0050 00.0 00.0 00.0 0060 0140 0080 1040 1060
60729    0455 0235 0490 2 00.0 00.0 00.0 1 0600 0650 1   1310 0360 0730 00.0 00.3 00.0 0030 0110 0040 0410 0460

64014    0035 0030 0055 1 00.0 00.0 00.0 1 1000 1000 1   0080 0060 0020 00.1 00.0 00.0 0040 0120 0040 0940 1040
64031    0030 0080 0050 1 00.0 00.0 00.0 1 1000 1000 1   0030 0020 0020 00.0 00.0 00.0 0080 0210 0140 0910 0930
```

APPENDIX C - IDLE TEST RESULTS

CELL NO=25 MODEL YR(S)=1976

MAKE=FORD MERC MODEL=PINTO MUSTANG II BOBCAT

	D E Q IDLE TEST HC				CO				RPM			H T S IDLE TEST HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
60013	0045	0025	0080	1	00.0	00.0	00.0	1	0750	0750	1	0060	0020	0030	00.0	00.0	00.0	0040	0220	0040	0600	0690
60014	0045	0035	0040	1	00.0	00.0	00.0	1	0800	0800	1	0080	0030	0030	00.0	00.0	00.0	0060	0260	0060	0700	0820
60045	0070	0065	0090	1	00.0	00.0	00.0	1	0900	0900	1	0080	0020	0020	00.0	00.0	00.0	0060	0130	0040	0800	0850
60051	0015	0025	0015	1	00.0	00.0	00.0	1	1150	1150	1	0030	0050	0020	00.0	00.0	00.0	0040	0080	0060	0780	1140
60095	0030	0035	0050	1	00.0	00.0	00.0	1	0800	0800	1	0060	0020	0080	00.0	00.0	00.0	0050	0140	0050	0810	0820
60107	0015	0025	0020	1	00.0	00.0	00.0	1	1350	1350	2	0030	0030	0030	00.0	00.0	00.0	0050	0220	0090	1140	1340
60115	0020	0050	0040	1	00.0	00.0	00.0	1	1000	1000	1	0010	0010	0010	00.0	00.0	00.0	0020	0140	0030	0930	0980
60122	0020	0025	0035	1	00.0	00.0	00.0	1	0800	0800	1	0050	0030	0030	00.0	00.0	00.0	0040	0070	0040	0750	0790
60134	0030	0035	0075	1	00.0	00.0	00.0	1	1000	1000	1	0080	0030	0090	00.0	00.0	00.0	0050	0120	0050	0900	0860
60145	0025	0020	0030	1	00.0	00.0	00.0	1	1000	1000	1	0020	0010	0010	00.0	00.0	00.0	0030	0090	0020	1000	1030
60148	0095	0090	0115	1	00.0	00.0	00.0	1	0600	0600	1	0080	0040	0030	00.0	00.0	00.0	0030	0120	0040	0600	0700
60149	0035	0040	0035	1	00.0	00.5	00.0	1	0850	0850	1	0030	0010	0020	00.0	00.0	00.0	0030	0090	0020	0870	0900
60212	0035	0040	0170	1	00.0	00.0	00.0	1	0900	0900	1	0050	0040	0040	00.0	00.0	00.0	0060	0100	0060	0970	1010
60230	0030	0055	0035	1	00.0	00.0	00.0	1	0700	0700	1	0030	0020	0020	00.0	00.0	00.0	0040	0080	0040	0780	0830
60235	0040	0055	0030	1	00.0	00.1	00.0	1	0850	0850	1	0040	0030	0020	00.0	00.1	00.0				0920	0910
60240	0050	0025	0030	1	00.0	00.0	00.0	1	0650	0650	1	0040	0020	0040	00.0	00.0	00.0				0730	0720
60267	0055	0035	0045	1	00.1	00.0	00.0	1	0650	0600	1	0080	0020	0040	00.1	00.0	00.0				0560	0660
60275	0035	0030	0055	1	00.0	00.0	00.0	1	0700	0700	1	0100	0030	0060	00.3	00.2	00.0				0700	0820
60285	0100	0040	0040	1	00.0	00.0	00.0	1	1000	1000	1	0020	0010	0020	00.0	00.0	00.0				0920	0950
60307	0035	0035	0040	1	00.0	00.4	00.0	1	0800	0800	1	0020	0030	0020	00.0	00.0	00.0				0800	0800
60366	0035	0020	0025	1	00.0	00.0	00.0	1	1000	1000	1	0040	0020	0030	00.0	00.0	00.0				1010	1100
60374	0020	0025	0020	1	00.0	00.0	00.0	1	0850	0850	1	0050	0030	0050	00.0	00.0	00.0				0840	0870
60387	0020	0120	0020	1	00.0	00.6	00.0	1	0950	0950	5	0080	0030	0030	00.0	00.0	00.0				0910	0960
60431	0045	0050	0080	1	00.0	00.0	00.0	1	0800	0800	1	0060	0040	0050	00.0	00.0	00.0				0780	0840
60453	0030	0035	0075	1	00.0	00.0	00.0	1	0900	0900	1	0020	0030	0060	00.0	00.0	00.0				0830	0840
60464	0050	0035	0060	1	00.0	00.1	00.0	1	0700	0700	1	0100	0010	0060	00.0	00.0	00.0	0050	0160	0050	0670	0680
60476	0030	0045	0030	1	00.0	00.0	00.0	1	0950	0950	1	0090	0050	0060	00.0	00.0	00.0	0040	0130	0050	0850	0960
60554	0020	0035	0025	1	00.0	00.1	00.0	1	0700	0700	1	0030	0020	0020	00.0	00.0	00.0	0040	0180	0060	0850	0910
60593	0045	0025	0060	1	00.0	00.0	00.0	1	0700	0700	1	0090	0030	0070	00.0	00.0	00.0	0050	0140	0050	0900	0920
60668	0580	0370	0630	2	04.2	03.8	03.8	2	0900	0900	5	0660	0290	0800	07.5	03.2	07.3	0080	0340	0040	0880	0920
60709	0020	0015	0025	1	00.0	00.0	00.0	1	0900	0900	1	0020	0010	0020	00.0	00.0	00.0	0080	0140	0080	0850	0920
60711	0025	0040	0030	1	00.0	00.1	00.0	1	1000	1000	1	0020	0020	0020	00.0	00.0	00.0	0060	0210	0080	0820	0850
64008	0015	0025	0015	1	00.0	00.0	00.0	1	0800	0850	1	0000	0010	0010	00.0	00.0	00.0	0075	0160	0075	0770	0800
64012	0040	0090	0045	1	00.0	00.0	00.0	1	1000	1100	1	0070	0040	0130	00.4	00.0	00.7	0010	0120	0040	0690	0710
64051	0035	0040	0040	1	00.0	00.0	00.0	1	0900	0900	1	0030	0020	0020	00.0	00.0	00.0	0060	0240	0070	0900	0900
64056	0050	0065	0075	1	00.0	00.0	00.0	1	0800	0800	1	0090	0030	0060	00.3	00.0	00.0	0040	0240	0060	0820	0890
66043	0410	0310	0925	2	05.6	03.5	04.8	2	0900	0900	5	0410	0190	0400	05.3	02.9	06.1	0080	0190	0090	0900	0900

APPENDIX C - IDLE TEST RESULTS

CELL NO=26 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=PINTO MUSTANG II BOBCAT

	D E Q IDLE TEST HC				CO				RPM			H T S IDLE TEST HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70083	0245	0150	0260	2	06.7	00.5	06.4	2	0900	0900	1	0270	0170	0210	04.5	00.1	04.8	0070	0130	0060	0840	0910
70084	0015	0045	0030	1	00.0	00.0	00.0	1	0600	0600	1	0020	0160	0020	00.0	00.0	00.0				1300	1190
70085	0020	0060	0075	1	00.0	00.4	00.0	1	1100	1000	1	0040	0100	0060	00.0	01.5	00.0	0060	0300	0060	1060	1140
70097	0135	0040	0140	1	01.6	00.0	01.7	2	0950	0950	1	0160	0040	0140	02.0	00.0	01.8				0900	0910
70104	0015	0025	0020	1	00.0	00.0	00.0	1	1050	1050	1	0030	0030	0020	00.0	00.0	00.0	0045	0100	0050	0950	0980
70121	0020	0045	0025	1	00.0	00.1	00.0	1	1000	1000	1	0070	0120	0060	00.0	00.0	00.0				0770	0900
70134	0230	0135	0550	2	05.4	00.3	05.5	2	0950	0950	1	0190	0450	0230	02.7	00.4	02.9				0920	0970
70156	0460	0235	0425	2	08.0	01.1	07.6	2	0900	0900	1	0290	0190	0200	04.2	01.2	04.8				0960	0990
70160	0020	0060	0075	1	00.0	00.0	00.0	1	0750	0750	1	0030	0060	0040	00.0	00.0	00.0	0040	0100	0030	0740	0730
70167	0190	0175	0230	1	03.4	00.9	02.8	2	0750	0750	1	0350	0170	0330	00.4	00.8	00.8	0060	0130	0090	0740	0800
70183	0085	0130	0085	1	02.3	02.5	01.5	2	1200	1200	1	0040	0120	0040	00.0	01.1	00.0	0030	0040	0030	1060	1080
70188	0020	0020	0040	1	00.0	00.0	00.0	1	1000	1000	1	0070	0080	0030	00.2	00.3	00.0				0870	0940
70270	0140	0080	0130	1	02.2	00.1	02.0	2	0950	0950	1	0130	0060	0130	01.0	00.4	00.9				0880	0930
70273	0030	0145	0045	1	00.0	01.9	00.0	1	1300	1300	2	0080	0150	0050	00.0	00.2	00.0				1200	1230
70291	0205	0130	0405	2	04.8	02.0	04.6	2	0900	0900	1	0270	0240	0220	02.2	00.7	02.5				0820	0930
70294	0040	0115	0080	1	00.0	01.1	00.1	1	1000	1000	1	0050	0130	0020	00.0	02.3	00.0				1100	1140
70370	0050	0120	0100	1	00.0	01.8	01.0	1	1000	1000	1	0060	0170	0110	00.0	02.4	00.0				0850	0860
70373	0055	0110	0080	1	00.6	02.0	00.7	1	1250	1300	2	0020	0150	0040	00.0	01.9	00.1				1170	1220
70375	0020	0035	0025	1	00.0	00.0	00.0	1	1200	1200	2	0030	0130	0030	00.0	00.0	00.0				1150	1160
70377	0160	0190	0160	1	01.7	03.1	02.0	2	0800	0800	1	0090	0150	0050	00.0	02.5	00.0				0770	0840
70390	0025	0050	0020	1	00.0	00.0	00.0	1	1000	1000	1	0030	0160	0020	00.0	00.0	00.0				0860	0960
70398	0330	0280	0460	2	07.5	03.5	07.2	2	0750	0800	1	0410	0210	0350	06.9	02.7	06.6				0800	0870
70415	0040	0035	0030	1	00.0	00.0	00.0	1	0750	0800	1	0050	0020	0030	00.0	00.0	00.0	0060	0260	0060	0740	0810
70437	0030	0165	0045	1	00.0	00.0	00.0	1	0800	0800	1	0750	0400	0100	00.2	00.0	00.0	0020	0060	0020	0650	0700
70447	0165	0160	0200	2	05.5	01.4	04.4	2	0950	0950	1	0230	0120	0210	05.0	00.4	04.9	0100	0140	0110	1020	1060
70491	0195	0160	0270	2	04.9	02.0	04.6	2	0800	0800	1	0210	0080	0230	02.3	00.5	02.6	0090	0300	0100	0760	0820
70527	0100	0070	0110	1	01.9	00.1	01.3	2	1100	1100	1	0600	0060	0040	01.0	00.0	00.5	0080	0110	0050	1100	1100
70536	0115	0145	0120	1	02.4	00.1	02.4	2	0800	1000	1	0110	0090	0060	00.1	00.0	00.0	0070	0120	0080	0860	0930
70557	0570	0135	0575	2	08.6	00.3	08.8	2	0800	0800	1	0510	0060	0460	07.4	00.1	07.4	0100	0100	0110	0800	0820
70575	0160	0180	0150	2	03.2	03.6	02.0	2	0950	0950	1	0100	0150	0090	00.0	02.2	00.0	0080	0450	0100	0880	0940
70590	0185	0175	0170	1	06.2	04.7	04.4	2	1050	1050	1	0160	0200	0160	01.5	01.9	01.8	0110	0240	0120	1050	1070
70604	0170	0215	0243	1	04.9	01.7	04.8	2	1050	1050	1	0180	0140	0160	03.9	00.6	04.0	0070	0120	0090	0950	1030
70614	0620	0205	0365	2	09.4	03.7	07.6	2				0270	0170	0270	05.5	02.5	05.4	0040	0130	0040	1020	1050
70626	0270	0165	0280	2	05.7	00.8	05.2	2	1000	1000	1	0220	0220	0230	04.5	00.0	05.4	0100	0170	0100	0980	1020

APPENDIX C - IDLE TEST RESULTS

CELL NO=27 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=PINTC MUSTANG II BOBCAT

	D E Q I D L E T E S T											H T S I D L E T E S T										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70071	0050	0030	0055	1	00.0	00.0	00.0	1	1000	1000	1	0030	0060	0050	00.0	00.0	00.0	0040	0090	0040	0860	0890
70074	0040	0025	0040	1	00.0	00.0	00.0	1	0800	0800	1	0050	0020	0030	00.0	00.0	00.0	0040	0090	0050	0750	0820
70077	0050	0030	0045	1	00.0	00.0	00.0	1	0800	0800	1	0030	0020	0030	00.0	00.0	00.0	0050	0120	0050	0780	0800
70079	0035	0030	0035	1	00.0	00.0	00.0	1	1000	1000	1	0030	0020	0030	00.0	00.0	00.0				0860	0900
70081	0055	0015	0055	1	00.0	00.0	00.0	1	0800	0800	1	0050	0020	0050	00.0	00.0	00.0				0850	0850
70102	0030	0020	0040	1	00.0	00.0	00.0	1	1000	1000	1	0030	0020	0030	00.0	00.0	00.0				0940	1060
70120	0050	0035	0065	1	00.0	00.0	00.0	1	1000	1000	1	0050	0020	0060	00.0	00.0	00.0				0950	1010
70169	0060	0035	0050	1	00.0	00.0	00.0	1				0070	0020	0050	00.4	00.0	00.0	0030	0080	0020	0960	1020
70172	0025	0030	0030	1	00.0	00.0	00.0	1	0850	0850	1	0020	0010	0020	00.0	00.0	00.0	0040	0070	0040	0770	0830
70190	0040	0020	0040	1	00.0	00.0	00.0	1	0800	0800	1	0030	0020	0040	00.0	00.0	00.0				0830	0830
70197	0580	0320	0815	2	03.0	05.0	02.0	2	0700	0700	1	0700	0170	0840	01.8	04.9	00.7				0750	0750
70232	0045	0035	0045	1	00.0	00.0	00.0	1	1550	1550	2	0030	0020	0060	00.0	00.0	00.0				0970	1020
70260	0015	0020	0030	1	00.0	00.0	00.0	1	1000	1000	1	0020	0010	0020	00.0	00.0	00.0				1010	1080
70272	0025	0040	0030	1	00.0	00.1	00.0	1	0950	0950	1	0030	0030	0020	00.0	00.0	00.0				0910	0910
70298	0030	0020	0025	1	00.0	00.0	00.0	1	0650	0650	1	0160	0040	0170	00.0	00.0	00.0				0750	0790
70356	0080	0035	0050	1	00.0	00.3	00.0	1	0800	0800	1	0090	0020	0060	00.0	00.0	00.0				0850	0880
70361	0880	0450	1200	2	00.2	00.0	00.1	1	1150	1150	4	1740	0260	1330	00.1	00.5	00.2				1110	1120
70362	0070	0065	0070	1	00.0	00.1	00.0	1	1100	1050	1	0090	0030	0140	00.0	00.0	00.0				0990	1040
70366	0150	0130	0250	1	04.7	03.7	04.0	2	0700	0700	3	0120	0060	0170	01.7	00.5	01.7				0710	0720
70391	0035	0040	0035	1	00.0	00.0	00.0	1	0800	0800	1	0080	0020	0090	00.0	00.0	00.0				0670	0740
70402	0045	0020	0025	1	00.9	00.0	00.0	1	0450	0500	1	0080	0030	0050	00.0	00.0	00.0				0490	0520
70416	0045	0035	0040	1	00.0	00.0	00.0	1	0800	0850	1	0060	0050	0050	00.0	00.0	00.0	0040	0090	0050	0860	0910
70429	0050	0025	0045	1	00.0	00.0	00.0	1	0850	0850	1	0050	0020	0030	00.0	00.0	00.0	0050	0090	0050	0860	0960
70432	0025	0035	0030	1	00.0	00.0	00.0	1	0800	0800	1	0200	0040	0030	00.2	00.0	00.0	0040	0110	0020	0760	0780
70479	0030	0025	0035	1	00.0	00.0	00.0	1	1300	1300	2	0030	0020	0020	00.0	00.0	00.0	0060	0200	0080	1200	1260
70497	0060	0015	0020	1	00.0	00.0	00.0	1	0750	0750	1	0080	0040	0030	00.0	00.0	00.0	0030	0090	0040	0560	0740
70529	0045	0035	0050	1	00.7	00.1	00.7	1	0900	0900	1	0060	0030	0060	00.7	00.0	00.6	0060	0090	0070	0940	0940
70532	0495	0250	0570	2	08.6	03.2	08.3	2	0900	0900	1	0390	0170	0500	06.6	02.2	07.3	0110	0310	0120	0740	0850
70543	0015	0025	0025	1	00.0	00.0	00.0	1	1200	1200	2	0030	0030	0030	00.0	00.0	00.0	0060	0230	0110	1210	1240
70576	0085	0040	0130	1	00.0	00.0	00.0	1	0850	0850	1	0090	0030	0160	00.0	00.0	00.0	0050	0100	0060	0870	0900
70577	0070	0015	0020	1	00.0	00.0	00.0	1	0650	0650	1	0120	0010	0110	00.0	00.0	00.0	0040	0100	0040	0780	0800
70588	0065	0060	0055	1	00.0	00.1	00.0	1	0850	0850	1	0030	0020	0030	00.0	00.0	00.0	0040	0100	0050	0910	0920
70595	0020	0020	0015	1	00.0	00.0	00.0	1	0900	0900	1	0020	0020	0020	00.0	00.0	00.0	0060	0200	0060	1030	1060
70607	0065	0050	0050	1	00.0	00.0	00.0	1	1000	1000	1	0030	0020	0030	00.0	00.0	00.0	0070	0100	0080	1040	1060
70616	0125	0030	0130	1	00.0	00.0	00.0	1	0700	0600	1	0060	0030	0050	00.0	00.0	00.0	0040	0100	0040	0800	0860
70619	0045	0020	0050	1	00.0	00.1	00.0	1	0400	0400	1	0290	0020	0260	00.0	00.0	00.0	0040	0140	0050	0490	0510
70645	0070	0040	0070	1	00.0	00.0	00.0	1	0700	0700	1	0150	0030	0140	00.0	00.0	00.0	0040	0140	0040	0700	0720

APPENDIX C - IDLE TEST RESULTS

CELL NO=28 MODEL YR(S)=1975,1976

MAKE=FORD MODEL=PINTC MUSTANG II

	D E Q I D L E T E S T											H T S I D L E T E S T										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50009	0035	0030	0075	1	00.0	00.1	00.0	1	1000	1000	1	0070	0030	0100	00.0	00.0	00.0	0110	0260	0100	0800	0830
50010	0020	0020	0020	1	00.0	00.0	00.0	1	0900	0900	1	0020	0050	0040	00.0	00.0	00.0	0080	0140	0080	0850	0870
50023	0028	0025	0025	1	00.0	00.1	00.0	1	1000	1000	1	0020	0020	0020	00.0	00.0	00.0	0060	0170	0070	1010	0990
50044	0030	0025	0030	1	00.5	00.1	00.1	1	0900	0900	1	0040	0020	0010	00.0	00.0	00.0	0140	0240	0110	0980	0980
50060	0025	0025	0030	1	00.0	00.0	00.0	1	0900	0900	1	0040	0030	0030	00.0	00.0	00.0	0060	0170	0060	0820	0850
50065	0010	0010	0020	1	00.0	00.0	00.0	1	1200	1200	1	0010	0020	0020	00.0	00.0	00.0	0120	0160	0110	1050	1080
50068	0020	0015	0035	1	00.0	00.0	00.0	1	0850	0850	1	0030	0020	0030	00.0	00.0	00.0	0090	0160	0100	0900	0910
50070	0020	0025	0030	1	00.0	00.0	00.0	1	0950	0950	1	0080	0030	0040	00.0	00.0	00.0	0080	0230	0080	0790	0900
50076	0015	0020	0060	1	00.0	00.0	00.0	1	0950	0950	1	0070	0030	0050	00.0	00.1	00.0	0060	0140	0070	0820	0860
50142	0045	0055	0050	1	00.0	00.1	00.0	1	1100	1100	1	0070	0020	0050	00.2	00.1	00.0	0090	0120	0080	0950	0940
50162	0035	0000	0010	1	00.0	00.0	00.0	1				0250	0030	0240	00.0	00.0	00.0	0030	0130	0040	0870	0910
50219	0050	0045	0080	1	00.0	00.0	00.0	1	0950	0950	1	0050	0020	0070	00.0	00.0	00.0				1000	1000
50225	0050	0035	0075	1	00.0	00.2	00.0	1	0850	0850	1	0150	0050	0090	00.2	00.7	00.0				0840	0800
50245	0175	0030	0050	1	01.7	00.1	00.2	1	0600	0600	1	0080	0040	0080	00.0	00.1	00.0				1060	1050
50328	0020	0010	0025	1	00.0	00.0	00.0	1	1000	1000	1	0150	0070	0090	00.0	00.0	00.0				0950	0970
50399	0025	0050	0025	1	00.0	00.0	00.0	1	1200	1200	7	0030	0020	0020	00.0	00.1	00.0	0080	0140	0080	1090	1130
50435	0085	0070	0065	1	00.0	00.0	00.0	1	0800	0800	1	0080	0030	0060	00.0	00.0	00.0	0070	0230	0080	0800	0820
50438	0050	0070	0045	1	00.0	00.0	00.0	1	1300	1300	1	0180	0020	0050	00.0	00.0	00.0	0050	0140	0060	1020	1300
50532	0020	0015	0035	1	00.0	00.0	00.0	1	0900	0900	1	0040	0020	0020	00.5	00.0	00.0	0100	0270	0100	0920	0930
50545	0120	0110	0120	1	01.4	01.3	01.3	2	0800	0800	1	0130	0080	0130	00.6	01.3	00.3	0130	0260	0110	0760	0770
54042	0020	0035	0040	1	00.0	00.0	00.0	1	1000	1000	1	0060	0020	0030	00.4	00.0	00.0	0080	0180	0090	0980	1000
56032	0245	0165	0255	2	05.3	03.6	04.5	2	0700	0700	1	0250	0170	0220	03.1	02.9	03.8	0140	0350	0130	0670	0650
60047	0030	0025	0040	1	00.0	00.0	00.0	1	1000	1000	1	0010	0010	0010	00.0	00.0	00.0	0045	0055	0060	0910	0930
60072	0030	0040	0045	1	00.0	00.0	00.0	1	1000	1000	1	0040	0040	0030	00.0	00.0	00.0	0090	0460	0090	0970	0970
60073	0055	0075	0055	1	00.1	00.2	00.1	1	1050	1050	1	0120	0110	0090	00.0	00.2	00.0	0110	0340	0110	0990	1050
60093	0295	0080	0290	2	00.0	00.0	00.0	1	1000	1000	2	0380	0050	0210	00.0	00.0	00.0	0080	0310	0070	1040	1200
60097	0175	0065	0060	1	03.5	00.2	00.0	1	1000	1000	1	0130	0090	0080	00.9	00.9	00.0	0100	0490	0100	0620	0880
60103	0100	0100	0065	1	05.6	00.1	00.0	1	0800	0800	1	0080	0050	0050	00.0	00.0	00.0	0090	0620	0080	0810	0800
60113	0040	0075	0050	1	00.0	00.5	00.0	1	1000	1000	1	0120	0060	0060	00.4	00.0	00.0				1000	1000
60191	0040	0100	0075	1	00.0	00.1	00.1	1	0900	0900	1	0080	0030	0050	00.0	00.0	00.0	0060	0090	0060	1420	1470
60210	0245	0070	0060	1	00.3	00.4	00.0	1	0800	0800	1	0050	0030	0040	00.0	00.1	00.0	0060	0180	0060	0860	0830
60218	0065	0045	0090	1	00.0	00.1	00.0	1	0900	0900	1	0020	0020	0020	00.0	00.0	00.0	0010	0210	0010	0830	0860
60254	0020	0025	0035	1	00.0	00.1	00.0	1	1000	1000	1	0020	0010	0020	00.0	00.1	00.0				0720	0700
60417	0124	0100	0190	1	00.0	00.1	00.0	1	0950	0950	1	0390	0060	0100	02.3	00.3	00.0				0690	0700
60504	0040	0035	0035	1	00.0	00.0	00.0	1	1150	1200	2	0080	0050	0030	00.0	00.1	00.0	0090	0150	0080	1100	1110
60505	0040	0045	0135	1	00.0	00.0	00.0	1	0900	0900	1	0060	0030	0030	00.0	00.1	00.0	0060	0160	0060	0920	0930
60693	0040	0080	0060	1	00.0	00.1	00.0	1	1350	1400	2	0350	0240	0220	01.9	00.2	00.1	0090	0400	0060	0930	0950
64050	0025	0095	0030	1	00.0	01.4	00.0	1	0800	0800	1	0050	0030	0030	00.2	00.1	00.0	0090	0520	0100	0850	0840
66002	0015	0025	0020	1	00.0	00.0	00.0	1	1250	1250	2	0100	0030	0020	00.0	00.0	00.0				0830	1030

APPENDIX C - IDLE TEST RESULTS

CELL NO=29 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50113	0045	0025	0065	1	00.0	00.0	00.0	1				0050	0020	0040	00.0	00.0	00.0				0680	0700
50140	0035	0020	0055	1	00.0	00.0	00.0	1	0800	0800	1	0140	0020	0130	00.0	00.0	00.0	0030	0080	0030	0830	0820
50150	0025	0025	0030	1	00.0	00.0	00.0	1	1200	1200	1	0030	0090	0020	00.0	00.0	00.0	0100	0140	0120	1160	1170
50199	0025	0020	0025	1	00.0	00.0	00.0	1	0700	0700	1	0020	0020	0020	00.0	00.0	00.0				0720	0740
50236	0025	0025	0030	1	00.0	00.0	00.0	1	0800	0800	1	0010	0010	0010	00.0	00.0	00.0				0790	0810
50285	0055	0035	0060	1	02.1	00.5	01.3	2	0600	0600	1	0090	0030	0080	02.3	00.5	01.9				0620	0650
50298	0065	0050	0155	1	00.1	00.1	00.2	1	0750	0750	1	0100	0060	0130	00.3	00.2	00.3				0680	0690
50434	0140	0075	0150	1	02.7	00.7	02.5	2	0800	0800	1	0220	0050	0080	04.6	00.2	00.9	0120	0100	0140	0620	0820
50442	0020	0025	0025	1	01.0	00.1	00.8	1			3	0080	0020	0030	00.8	00.1	00.5	0070	0140	0080	0940	1050
50446	0035	0030	0035	1	00.0	00.0	00.0	1	0900	0900	1	0040	0010	0030	00.0	00.0	00.0	0040	0170	0060	0840	0850
50458	0085	0080	0095	1	01.7	01.1	01.2	2	0800	0800	3	0090	0070	0050	00.4	00.8	00.0	0120	0570	0130	0810	0800
50499	0145	0130	0135	1	03.5	01.0	03.6	2	1000	1000	1	0120	0100	0120	03.0	01.0	03.1	0160	0500	0140	1050	1040
50538	0025	0020	0030	1	00.0	00.0	00.0	1	0825	0850	1	0030	0020	0020	00.0	00.0	00.0	0060	0410	0070	0800	0840
50544	0130	0050	0140	1	02.0	00.2	02.0	2	1150	1150	1	0230	0040	0090	04.0	00.1	00.9	0120	0500	0140	1080	1100
50547	0020	0045	0020	1	00.0	00.2	00.0	1	0800	0800	1	0060	0020	0030	00.0	00.0	00.0	0150	0400	0180	0850	0920
54009	0020	0010	0020	1	00.0	00.0	00.0	1	1000	0950	1	0020	0010	0010	00.0	00.0	00.0				0500	0650
54022	0035	0050	0070	1	00.0	00.1	00.0	1	0900	0900	1	0090	0020	0060	00.0	00.2	00.1	0110	0160	0120	0670	0930
54027	0065	0075	0075	1	01.0	00.1	01.1	1	0900	0900	1	0090	0030	0050	00.8	00.1	01.2	0040	0080	0050	0790	0860
56024	0085	0045	0080	1	01.5	00.1	01.4	2	0850	0850	1	0110	0030	0070	02.0	00.1	01.4	0060	0190	0060	0690	0780
56038	0070	0050	0095	1	01.6	00.2	01.5	2	0600	0600	1	0090	0040	0080	01.6	00.1	01.3				0650	0680
60003	0025	0040	0055	1	00.0	00.0	00.0	1	0900	0950	1	0100	0060	0060	00.0	00.0	00.0	0070	0090	0060	0940	0950
60026	0170	0145	0140	1	00.1	00.2	00.0	1	1000	1050	1	0080	0050	0070	00.0	00.0	00.0	0090	0130	0050	0900	0990
60029	0125	0100	0085	1	03.1	00.0	00.0	1	0650	0650	1	0065	0080	0070	01.7	00.0	00.0	0100	0150	0050	0660	0680
60036	0240	0155	0105	1	02.7	00.1	00.0	1	0950	0950	1	0220	0080	0050	00.6	00.0	00.0	0070	0090	0040	0830	0850
60180	0040	0075	0040	1	00.0	00.0	00.0	1	0850	0850	1	0080	0090	0070	00.0	00.0	00.0				0840	0870
60217	0060	0040	0065	1	00.0	00.0	00.0	1	0800	0800	1	0060	0030	0030	00.0	00.0	00.0	0060	0070	0050	0850	0860
60225	0215	0185	0200	1	00.1	00.1	00.1	1	0650	0650	1	0120	0090	0080	00.0	00.0	00.0	0060	0120	0050	0700	0740
60294	0045	0065	0040	1	00.0	00.0	00.0	1	0800	0800	1	0040	0060	0060	00.0	00.0	00.0				0660	0650
60336	0070	0100	0050	1	00.0	00.0	00.0	1	0750	0750	1	0060	0090	0050	00.0	00.0	00.0				0900	0920
60441	0250	0200	0160	1	01.5	00.5	00.0	1	0850	0850	1	0080	0090	0090	00.0	00.0	00.0				0870	0910
60448	0105	0100	0150	1	00.0	00.0	00.0	1	1000	1000	1	0110	0080	0060	00.0	00.0	00.0				1000	1070
60461	0065	0065	0170	1	00.0	00.0	00.0	1	0900	0900	1	0080	0120	0080	00.0	00.0	00.0	0060	0190	0050	0880	0910
60568	0690	0325	0880	2	06.0	02.6	07.5	2	0600	0600	1	0730	0140	0800	06.5	02.2	07.1	0110	0750	0130	0670	0680
60644	0050	0075	0065	1	00.0	00.0	00.0	1	0950	0950	1	0100	0080	0080	00.0	00.0	00.0	0030	0020	0020	0950	0980
60714	0025	0020	0025	1	00.0	00.0	00.0	1	0700	0700	1	0070	0080	0070	00.0	00.0	00.0	0040	0140	0060	0840	0870
64005	0045	0035	0045	1	00.0	00.0	00.0	1	0650	0650	1	0060	0040	0050	00.0	00.0	00.0	0140	0100	0140	0680	0690
64045	0295	0190	0105	1	03.6	00.1	00.0	1	1000	1000	1	0270	0140	0090	02.3	00.0	00.0	0170	0120	0080	0880	0900
64047	0020	0010	0020	1	00.0	00.0	00.0	1	0900	0900	1	0060	0080	0050	00.5	01.5	00.1	0060	0230	0060	0910	0920
66040	0435	0230	0475	2	06.2	01.5	06.4	2	0800	0800	1	0620	0210	0570	07.4	03.8	06.5				0800	0830

APPENDIX C - IDLE TEST RESULTS

CELL NO=30 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50072	0055	0040	0030	1	00.0	00.0	00.0	1	0800	0900	1	0080	0030	0080	00.0	00.0	00.0				0700	0780
50160	0270	0070	0190	2	07.3	00.5	05.6	2	0750	0750	1	0180	0030	0140	03.3	00.1	01.1	0090	0090	0080	0730	0770
50181	0300	0050	0550	2	04.4	00.0	03.7	2	0350	0350	1	0170	0030	0140	01.0	00.0	01.2	0040	0270	0030	0480	0490
50198	0055	0040	0065	1	00.0	00.0	00.0	1	0800	0800	1	0050	0020	0030	00.4	00.1	00.0				0830	0860
50207	0045	0045	0060	1	00.0	00.1	00.0	1	1050	1050	1	0050	0030	0050	00.1	00.2	00.0				1030	1060
50226	0025	0455	0085	1	00.0	00.0	00.0	1	0800	0800	1	0060	0120	0050	00.1	00.0	00.0				0800	0850
50291	0190	0125	0330	2	04.6	01.3	04.0	2	0750	0750	1	0350	0120	0260	06.5	01.2	03.9				0730	0870
50304	0030	0040	0045	1	00.0	00.0	00.0	1	0600	0600	1	0090	0050	0060	00.5	00.0	00.1				0530	0510
50312	0030	0090	0080	1	00.0	00.0	00.0	1	0800	0850	1	0170	0060	0120	00.0	00.0	00.0				0820	0810
50430	0020	0250	0045	1	00.0	00.0	00.0	1	0800	0800	1	0020	0060	0030	00.0	00.0	00.0	0060	0110	0080	0830	0850
50475	0020	0025	0030	1	00.0	00.0	00.0	1	0850	0850	1	0030	0030	0030	00.0	00.0	00.0	0060	0270	0070	0830	0630
50495	0020	0020	0025	1	00.2	00.0	00.0	1	0700	0700	1	0020	0010	0020	00.0	00.0	00.0	0080	0300	0080	0770	0810
54006	0075	0025	0120	1	00.0	00.0	00.0	1	0700	0700	1	0140	0000	0120	00.0	00.0	00.0				0700	0700
54007	0045	0040	0045	1	00.0	00.0	00.5	1	0850	0900	1	0030	0020	0040	00.0	00.0	00.0				0860	0860
54008	0070	0040	0080	1	00.1	00.1	00.1	1	0750	0750	1	0020	0020	0050	00.0	00.0	00.0				0650	0750
54010	0020	0020	0025	1	00.0	00.0	00.0	1	0850	0850	1	0030	0010	0020	00.0	00.0	00.0				0730	0820
60041	0240	0055	0210	1	00.1	00.1	00.3	1	0700	0800	1	0250	0100	0250	00.0	00.0	00.0	0160	0190	0120	0850	0900
60089	0120	0285	0170	1	00.0	00.0	00.0	1	0850	0850	1	0140	0240	0190	00.0	00.0	00.0	0120	0180	0160	0850	0910
60125	0055	0475	0135	1	00.0	00.0	00.0	1	1000	1000	1	0650	0590	0380	00.0	00.0	00.0	0020	0110	0020	0750	0800
60163	0060	0060	0070	1	00.0	00.0	00.0	1	1400	1400	2	0120	0050	0090	00.0	00.0	00.0				1200	1210
60202	0170	0430	0185	1	00.0	00.0	00.0	1	0900	0900	1	0190	0150	0160	00.0	00.0	00.0	0100	0130	0140	0920	0970
60208	0165	0160	0210	1	01.6	00.1	01.4	1	0800	0800	1	0170	0110	0090	00.0	00.0	00.0	0060	0140	0060	0800	0880
60290	0050	0040	0045	1	00.9	00.1	00.2	1	0800	0800	1	0040	0030	0020	00.0	00.0	00.0				1190	1250
60306	0050	0035	0070	1	00.0	00.1	00.0	1	0800	0800	1	0060	0020	0050	00.0	00.0	00.0				0850	0860
60383	0065	0070	0065	1	00.2	00.2	00.0	1	0600	0650	1	0060	0030	0050	00.0	00.0	00.0				0650	0660
60430	0035	0045	0045	1	00.0	00.0	00.0	1	0900	0900	1	0060	0040	0050	00.0	00.0	00.0				1010	1020
60435	0080	0060	0105	1	00.0	00.0	00.0	1	0800	0800	1	0320	0080	0090	00.2	00.0	00.0				0730	0770
60539	0045	0070	0095	1	00.0	00.0	00.0	1	0650	0650	1	0080	0060	0030	00.0	00.0	00.0	0060	0160	0060	0650	0670
60576	0175	0150	0235	1	00.0	00.0	00.0	1	1000	1000	1	0200	0140	0190	00.1	00.0	00.0	0200	0240	0190	0990	0980
60577	0020	0025	0030	1	00.0	00.0	00.0	1	0900	0900	1	0330	0120	0060	04.9	00.0	00.0	0100	0220	0070	0980	0980
60624	0070	0250	0110	1	00.0	00.0	00.0	1	0710	0710	1	0210	0060	0060	00.6	00.0	00.0	0090	0140	0070	0680	0760
60662	0015	0070	0025	1	00.0	00.0	00.0	1	0750	0800	1	0090	0080	0050	00.0	00.0	00.0	0140	0220	0160	1030	1060
64022	0240	0075	0120	1	01.7	00.1	00.0	1	0800	0800	1	0200	0050	0100	00.5	00.0	00.0	0080	0420	0080	0810	0840
66003	0420	0125	0390	2	09.5	05.6	04.1	2	0800	0800	1	0310	0080	0360	07.6	00.0	08.2				0820	0820
66013	2000	0395	0380	2	10.9	00.1	07.0	2	0500	0500	1	2420	0580	2630	09.9	00.1	09.9	0190	0230	0160	0470	0630

APPENDIX C - IDLE TEST RESULTS

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CELL NO=31    MODEL YR(S)=1975,1976
   MAKE=FORD MERC                  MODEL=TORINO MONTEGO COUGAR

         ---------D E W     I D L E     T E S T----------   --------------H T S    I D L E    T E S T---------------
         --------HC-------  ---------CO--------  ----RPM---   ------HC-------  ------CO-------  ------NOX-----  --RPM---
EPA NO   1ST 2500  2ND S   1ST 2500  2ND S   1ST  2ND S   1ST 2500  2ND  1ST 2500  2ND  1ST 2500  2ND  1ST  2ND

50015    0035 0025 0045 1  00.1 00.0 00.1 1  0800 0800 1  0050 0020 0030 00.2 00.0 00.1 0050 0080 0060 0760 0750
50019    0055 0045 0095 1  00.4 00.1 00.4 1  0800 0800 1  0080 0030 0060 00.6 00.1 00.4 0080 0160 0065 0680 0760
50031    0085 0030 0080 1  00.0 00.0 00.0 1  0800 0800 1  0050 0020 0080 00.0 00.1 00.0 0050 0090 0050 0860 0900
50124    0050 0045 0150 1  00.3 00.1 00.2 1  0700 0700 1  0090 0010 0010 00.1 00.0 00.0                0610 0650
50127    0025 0025 0045 1  00.2 00.0 00.1 1  0900 0900 1  0040 0020 0050 00.3 00.0 00.2                0890 0890

50155    0025 0130 0060 1  00.2 00.3 00.3 1  0900 0900 1  0050 0020 0020 00.6 00.1 00.1 0060 0110 0070 0940 0920
50168    1100 0160 0355 2  10.2 01.5 07.7 2  0750 0750 1  0370 0100 0240 07.6 01.0 06.1 0100 0280 0100 0570 0710
50177    0050 0025 0030 1  01.0 00.4 00.6 1  0880 0880 1  0020 0010 0020 00.7 00.3 00.5 0050 0120 0070 0940 0950
50179    0040 0035 0045 1  00.9 00.1 00.8 1  0850 0850 1  0050 0010 0030 00.7 00.0 00.5 0040 0120 0050 0990 1030
50180    0080 0035 0115 1  00.2 00.2 00.3 1  0600 0650 1  0130 0030 0120 00.7 00.3 00.1 0080 0090 0040 0730 0720

50232    0140 0070 0170 1  00.1 00.0 00.1 1  0900 0900 1  0160 0040 0100 00.1 00.0 00.0                0800 0790
50311    0035 0035 0085 1  01.0 00.2 01.0 1  0800 0800 1  0080 0030 0060 00.6 00.1 00.4                0730 0750
50347    0030 0030 0060 1  00.7 00.2 00.6 1  0750 0750 1  0110 0060 0090 00.9 00.2 00.7                0770 0790
50369    0545 0365 0205 2  01.2 00.5 01.2 2  0800 0800 1  0120 0040 0090 02.7 00.7 01.2                0710 0740
50372    0070 0075 0160 1  00.5 00.6 00.5 1  0900 0900 1  0100 0080 0070 00.9 00.4 00.2                0850 0880

50439    0105 0065 0120 1  00.0 00.0 00.0 1  0900 0900 1  0200 0030 0130 00.0 00.0 00.0 0040 0250 0040 0750 0770
50457    0025 0020 0095 1  00.2 00.1 00.2 1               0060 0020 0050 00.1 00.1 00.2 0060 0120 0070 0680 0700
50497    0030 0025 0060 1  00.1 00.1 00.1 1  0900 0900 1  0050 0020 0070 00.1 00.0 00.1 0080 0240 0090 0810 0960
50507    0010 0015 0045 1  00.2 00.1 00.1 1  1000 1000 1  0030 0050 0030 00.3 00.0 00.4 0080 0150 0080 1010 1050
54004    0110 0035 0110 1  00.1 00.1 00.1 1  0750 0750 1  0190 0050 0110 00.0 00.1 00.0                0610 0620

54039    0015 0020 0020 1  00.6 00.0 00.5 1  0900 0900 1  0050 0020 0030 01.0 00.0 00.7 0090 0260 0090 0800 0860
56018    0300 0175 0330 2  04.6 00.2 04.8 2  0750 0750 1  0390 0060 0290 05.1 00.1 04.4 0120 0190 0110 0700 0740
56028    0455 0105 0400 2  00.1 00.1 00.1 1  0850 0830 1  0060 0080 0810 00.2 00.1 00.1 0070 0180 0060 0780 0760
56035    0870 0720 0670 2  00.1 00.2 00.1 1  0800 0800 1  1220 0230 0910 00.2 00.1 00.1                0740 0720
60019    0160 0080 0115 1  00.0 00.0 00.0 1  0700 0700 1  0120 0040 0070 00.0 00.0 00.0 0080 0100 0100 0880 0980

60038    0060 0075 0090 1  00.0 00.0 00.0 1  1050 1050 1  0090 0050 0080 00.0 00.0 00.0 0060 0080 0060 1010 1040
60062    0565 0150 0085 1  08.7 00.3 00.7 1  0700 0700 1  0560 0080 0050 08.5 00.1 00.7 0120 0490 0080 0720 0860
60131    0330 0105 0400 2  03.3 00.1 04.0 2  0900 0900 2  0500 0040 0430 00.0 00.1 00.0 0050 0140 0050 0710 0750
60207    0055 0040 0050 1  00.7 00.3 00.7 1  0850 0850 1  0050 0020 0040 00.5 00.1 00.5 0070 0380 0060 0860 0850
60297    0405 0105 0470 2  04.6 00.1 04.8 2  0950 0930 1  0460 0080 0430 04.7 00.1 05.0                0890 0930

60339    0040 0015 0030 1  00.9 00.0 00.0 1  0900 0900 1  0090 0030 0060 00.0 00.0 00.0                0830 0950
60340    0560 0170 0810 2  07.3 00.6 07.4 2  0600 0600 1  0950 0120 0930 07.6 00.1 07.9                0630 0610
60362    0025 0035 0040 1  01.6 00.1 00.7 1  0800 0800 1  0060 0050 0050 00.8 00.1 00.7                0800 0860
60496    0150 0120 0335 1  00.0 00.0 00.0 1  0700 0700 1  0330 0090 0160 00.0 00.0 00.0 0070 0140 0050 0710 0790
60710    0060 0040 0045 1  00.0 00.0 00.0 1  1000 1000 1  0050 0020 0010 01.3 00.0 00.0 0100 0160 0140 1010 1100

64007    0080 0045 0085 1  00.2 00.1 00.2 1  0850 0900 1  0120 0100 0090 00.1 00.1 00.1 0080 0120 0090 0830 0880
66047    2000 0405 2000 2  03.0 00.2 03.9 2  0700 0700 1  2480 0350 2060 04.2 00.0 03.4 0140 0850 0130 0720 0700
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APPENDIX C - IDLE TEST RESULTS

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CELL NO=32    MODEL YR(S)=1975,1976
   MAKE=FORD                       MODEL=ELITE LTD

         ---------D E W     I D L E     T E S T----------   --------------H T S    I D L E    T E S T---------------
         --------HC-------  ---------CO--------  ----RPM---   ------HC-------  ------CO-------  ------NOX-----  --RPM---
EPA NO   1ST 2500  2ND S   1ST 2500  2ND S   1ST  2ND S   1ST 2500  2ND  1ST 2500  2ND  1ST 2500  2ND  1ST  2ND

50079    0030 0020 0045 1  00.8 00.0 00.7 1  0700 0750 1  0080 0020 0050 01.1 00.0 00.8 0040 0220 0050 0660 0680
50168    0070 0055 0100 1  00.0 00.0 00.0 1  0900 0900 1  0080 0040 0200 00.0 00.0 00.0 0040 0060 0040 0970 0930
50284    0035 0150 0040 1  00.3 00.5 00.3 1  0900 0900 1  0050 0020 0090 00.2 00.1 00.1                0930 0900
50342    0040 0030 0060 1  00.0 00.0 00.0 1  0900 0900 1  0050 0020 0030 00.0 00.0 00.0                0910 0950
50354    0070 0070 0195 1  00.0 00.0 00.0 1  0750 0750 1  0050 0020 0320 00.0 00.1 00.1                0830 0730

50427    0080 0040 0070 1  00.1 00.1 00.1 1  0950 0950 1  0110 0040 0060 00.2 00.0 00.2 0070 0170 0070 0930 0950
50446    0400 0160 0370 2  08.6 03.4 08.4 2  0800 0800 3  0380 0210 0260 06.9 00.9 06.2 0120 0470 0120 0780 0830
50451    0050 0055 0060 1  00.5 00.2 00.1 1  0900 0900 1  0290 0050 0110 00.1 00.1 00.1 0060 0200 0080 0840 0880
50494    0050 0035 0090 1  01.0 00.3 00.7 1  0950 0950 1  0100 0040 0050 00.8 00.1 00.6 0060 0160 0060 0680 0690
50502    0125 0080 0035 1  00.1 00.7 00.2 1  0850 0850 1  0050 0030 0040 00.3 00.0 00.3 0070 0120 0080 0810 0810

50528    0065 0075 0100 1  00.0 00.1 00.0 1  0800 0800 1  0130 0030 0060 00.2 00.0 00.0 0080 0200 0100 0660 0800
50559    0060 0035 0053 1  00.0 00.0 00.0 1  0900 0900 1  0170 0020 0040 00.5 00.4 00.0 0050 0100 0060 0530 0910
54015    0170 0050 0170 1  01.1 00.1 01.0 1  0700 0700 1  0180 0050 0120 00.7 00.2 00.7 0060 0200 0040 0600 0750
54029    0030 0035 0075 1  00.5 00.1 00.4 1  1100 1100 1  0060 0020 0060 00.8 00.0 00.4 0070 0380 0060 0830 0960
54041    0030 0015 0040 1  00.7 00.4 00.7 1  0800 0800 1  0060 0030 0050 00.9 00.4 00.8 0070 0410 0080 0700 0730

60042    0115 0065 0100 1  00.0 00.0 00.0 1  0700 0700 1  0190 0130 0120 00.5 00.2 00.0 0100 0180 0100 0780 0820
60118    0060 0020 0045 1  00.0 00.0 00.0 1  0700 0700 1  0120 0020 0100 00.0 00.0 00.0 0040 0110 0040 0650 0650
60159    0070 0030 0095 1  00.0 00.0 00.0 1  0800 0800 1  0110 0050 0090 00.0 00.0 00.0                0730 0790
60168    0285 0040 0310 2  01.8 00.1 01.7 2  0950 0950 1  0210 0030 0200 00.2 00.0 00.9                0910 0920
60170    0210 0075 0300 1  00.0 00.3 00.0 1               0750 0060 0520 00.1 00.1 00.1                0630 0640

60175    0050 0090 0075 1  00.0 00.0 00.0 1  0700 0700 1  0060 0130 0060 00.0 00.0 00.0                0650 0640
60252    0085 0035 0125 1  00.0 00.0 00.0 1  1050 1050 1  0220 0030 0150 00.0 00.0 00.0                1040 0950
60261    0085 0100 0065 1  00.4 00.1 00.2 1  0800 0800 1  0080 0090 0060 00.1 00.1 00.1                0670 0910
60304    0140 0065 0205 1  03.5 00.2 03.4 2  0700 0700 1  0160 0050 0180 02.4 00.5 02.7                0750 0800
60346    0045 0070 0060 1  00.0 00.1 00.0 1  0900 0900 1  0080 0030 0050 00.0 00.0 00.0                0760 0780

60442    0205 0145 0230 2  00.5 00.5 00.0 1  0900 0900 1  0260 0050 0210 00.0 00.0 00.0                0800 0930
60458    0045 0035 0175 1  00.4 00.2 00.5 1  0950 0950 1  0070 0060 0050 00.4 00.1 00.3 0100 0160 0070 0920 0960
60467    0025 0035 0030 1  00.1 00.1 00.0 1  0800 0800 1  0030 0030 0030 00.0 00.0 00.0 0060 0120 0060 0890 0860
60470    0365 0215 0085 1  08.3 01.6 00.8 1  0800 0800 1  0420 0080 0060 08.1 00.2 00.9 0120 0160 0070 0760 0860
60474    0220 0085 0105 1  00.0 00.0 00.0 1  1000 1000 1  0250 0080 0100 00.0 00.0 00.0 0090 0140 0050 1020 1010

60484    0430 0240 0395 2  00.2 00.0 00.6 1  0850 0850 1  0620 0100 0210 00.5 00.0 00.0 0090 0160 0040 0840 0830
60543    0020 0000 0045 1  00.0 00.0 00.0 1  1100 1100 1  0100 0050 0060 00.0 00.0 00.0 0070 0140 0080 0890 1140
60571    0025 0060 0065 1  00.2 00.1 00.2 1  0900 0900 1  0090 0100 0040 00.1 00.1 00.1 0080 0200 0070 0840 0920
60589    0125 0080 0100 1  00.0 00.0 00.0 1  0800 0800 1  0210 0060 0160 00.1 00.1 00.0 0060 0160 0050 0670 0750
60685    0050 0065 0065 1  00.9 00.1 00.8 1               0080 0040 0040 00.5 00.1 00.5 0100 0670 0100 0900 0910

60687    0020 0335 0100 1  00.0 00.2 00.0 1  0975 1000 1  0160 0400 0170 00.2 00.1 00.0 0080 0280 0080 0830 0950
60700    0130 0080 0140 1  00.0 00.0 00.0 1  0700 0700 1  0130 0100 0120 00.1 00.1 00.1 0070 0210 0080 0790 0800
64036    0220 0095 0230 1  00.4 00.0 00.8 1  0750 0750 1  0600 0100 0140 00.1 00.0 00.0 0080 0160 0080 0730 0790
64038    0135 0395 0080 1  02.2 00.1 00.1 1  0900 0900 1  0060 0230 0060 00.4 00.1 00.2 0060 0250 0070 0850 0860
```

APPENDIX C - IDLE TEST RESULTS

CELL NO=33   MODEL YR(S)=1975,1976

MAKE=FORD MERC   MODEL=FORD ELITE MERC LTD

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50017	0035	0035	0050	1	00.1	00.1	00.7	1	0950	0950	1	0060	0030	0050	00.6	00.1	00.5	0070	0130	0070	0870	0870
50029	0145	0045	0175	1	00.1	00.1	00.1	1	0850	0850	1	0170	0050	0180	00.2	00.1	00.2	0060	0100	0070	0830	0840
50055	0020	0025	0045	1	00.0	00.0	00.0	1	0800	0800	1	0030	0020	0030	00.0	00.0	00.0	0080	0130	0080	0740	0760
50084	0025	0030	0045	1	00.5	00.1	00.8	1	0800	0800	1	0040	0020	0030	00.5	00.1	00.5	0070	0130	0070	0740	0750
50086	0035	0130	0050	1	01.0	00.5	00.8	1	0800	0800	1	0030	0030	0050	00.7	00.0	00.7				0790	0810
50115	0070	0035	0085	1	00.0	00.0	00.0	1	1100	1100	1	0100	0030	0110	00.0	00.0	00.0				1040	1070
50134	0810	0140	0895	2	00.1	00.0	00.1	1	0900	0900	1	1570	0100	1340	00.2	00.0	00.2				0720	0750
50143	0025	0035	0035	1	00.2	00.1	00.2	1				0060	0020	0030	00.8	00.3	00.2				0900	0910
50156	0305	0075	0235	2	03.0	00.0	02.4	2				0210	0040	0150	02.5	00.5	02.0	0020	0030	0010	0540	0560
50185	0035	0020	0065	1	00.7	00.1	00.7	1	0800	0800	1	0050	0020	0060	00.6	00.1	00.4	0040	0160	0040	0810	0840
50191	0035	0020	0055	1	00.0	00.1	00.0	1	0850	0850	1	0030	0020	0070	00.1	00.0	00.0	0060	0090	0050	0920	0850
50202	0040	0010	0130	1	01.3	00.3	00.8	1	0550	0550	1	0030	0020	0050	00.4	00.1	00.3				0720	0720
50213	0020	0020	0035	1	00.1	00.4	00.2	1	0750	0750	1	0050	0030	0040	00.4	00.5	00.2				0850	0850
50276	0015	0015	0020	1	00.0	00.1	00.1	1	0850	0850	1	0080	0020	0040	00.3	00.2	00.1				0880	0870
50278	0025	0020	0025	1	00.6	00.1	00.4	1	0950	0950	1	0040	0020	0030	00.5	00.2	00.3				0840	0810
50289	0030	0020	0110	1	02.1	00.4	02.2	2	0800	0800	1	0090	0020	0050	01.6	00.3	01.2				0740	0830
50302	0070	0045	0120	1	00.6	00.2	00.5	1	0900	0900	1	0100	0030	0080	00.7	00.2	00.5				0880	0890
50316	0130	0060	0170	1	00.0	00.0	00.0	1	0650	0650	1	0210	0030	0190	00.0	00.1	00.0				0750	0750
50323	0025	0055	0035	1	00.6	00.1	00.1	1	1000	1000	1	0030	0010	0020	00.0	00.0	00.0				0950	0990
50356	0480	0250	0425	2	07.7	04.3	07.1	2	0700	0700	3	0720	0140	0360	05.3	02.7	03.5				0860	0850
50362	0050	0035	0050	1	00.1	00.1	00.1	1	0800	0800	1	0060	0030	0060	00.1	00.1	00.1				0800	0750
50534	0140	0070	0095	1	00.4	00.1	00.2	1	0650	0650	1	0120	0020	0120	00.5	00.1	00.2	0080	0130	0080	0670	0640
50551	0015	0020	0050	1	00.1	00.1	00.1	1	0750	0800	1	0030	0020	0050	00.1	00.1	00.2	0060	0090	0060	0770	0800
54016	0110	0040	0170	1	00.1	00.1	00.1	1	0700	0700	1	0130	0020	0110	00.4	00.1	00.1	0060	0080	0060	0620	0720
56031	0045	0030	0040	1	01.3	00.1	01.2	2	0900	0900	1	0050	0020	0030	00.8	00.0	00.5	0070	0260	0080	0830	0860
60034	0045	0105	0065	1	00.0	00.0	00.0	1	1000	1000	1	0190	0040	0070	00.0	00.0	00.0	0080	0170	0080	1000	1060
60061	0090	0150	0100	1	00.0	00.0	00.0	1	0800	0800	1	0160	0140	0120	00.0	00.0	00.0	0070	0140	0070	0710	0750
60066	0080	0285	0045	1	02.6	00.1	00.5	1	1100	1100	1	0030	0050	0010	00.0	00.0	00.0	0080	0150	0090	1050	1070
60069	0025	0020	0040	1	00.0	00.0	00.0	1	1050	1050	1	0060	0030	0060	00.0	00.0	00.0	0120	0370	0130	0990	1000
60074	0100	0060	0145	1	00.0	00.0	00.0	1	0900	0900	1	0100	0060	0060	00.0	00.1	00.0	0070	0120	0070	0860	0880
60092	0275	0105	0140	1	00.0	00.0	00.0	1	0900	0900	1	0300	0080	0160	00.0	00.0	00.0	0080	0130	0040	0870	0900
60301	0090	0070	0070	1	01.7	00.1	00.5	1	0650	0700	1	0080	0030	0060	02.0	00.0	00.3				0680	0690
60447	0040	0050	0060	1	00.0	00.0	00.0	1	0700	0700	1	0040	0030	0030	00.0	00.0	00.0				0790	0800
60604	0030	0095	0045	1	00.0	00.1	00.0	1	0700	0700	1	0080	0080	0070	00.0	00.0	00.0	0110	0150	0120	0740	0760
60614	0920	0325	0270	2	03.9	00.1	00.0	1	0900	0900	1	0240	0050	0190	00.0	00.0	00.0	0080	0290	0090	0950	0960
60619	0020	0060	0030	1	00.0	00.0	00.0	1	0950	0978	1	0080	0050	0050	00.0	00.0	00.0	0090	0130	0160	1050	1090
60706	0035	0025	0040	1	00.0	00.1	00.0	1	0850	0850	1	0040	0010	0020	00.0	00.0	00.0	0100	0460	0110	0880	0890
64024	0305	0110	0070	1	04.8	00.5	00.0	1	0900	0900	1	0100	0030	0050	00.0	00.0	00.0	0120	0160	0160	0980	1000
66032	0245	0310	0240	2	00.0	00.0	00.0	1	1000	1050	1	0280	0100	0230	00.0	00.0	00.0	0070	0160	0130	0880	0930

APPENDIX C - IDLE TEST RESULTS

CELL NO=34   MODEL YR(S)=1977

MAKE=FORD MERC   MODEL=MAVERICK GRANADA COMET MONARCH

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70075	0350	0065	0375	2	05.0	00.0	04.5	2	0900	0900	1	0330	0090	0330	01.2	00.0	02.5	0110	0760	0130	0860	0900
70144	0315	0650	0450	2	02.9	00.1	03.3	2	0950	0950	1	0450	0620	0450	02.2	00.9	02.8				0900	0950
70148	0060	0040	0065	1	00.0	00.0	00.0	1	0750	0800	1	0050	0170	0040	00.0	00.0	00.0	0080	0100	0060	0860	0890
70173	0455	0290	0590	2	05.1	02.2	05.2	2	1050	1050	1	0430	0330	0490	02.7	01.7	04.2	0090	0080	0090	1030	1040
70192	0320	0080	0375	2	04.2	00.0	03.9	2	0900	0900	1	0380	0060	0320	03.1	00.0	03.4				0850	0860
70215	0360	0210	0500	2	01.9	01.8	00.8	1	1000	1000	1	0390	0120	0130	01.3	01.5	00.2				0920	0900
70230	0060	0030	0055	1	00.0	00.0	00.0	1	0900	0900	1	0080	0040	0060	00.0	00.0	00.0				0780	0790
70263	0060	0045	0075	1	00.0	00.0	00.0	1	0700	0700	1	0030	0080	0030	00.0	00.0	00.0				0670	0720
70275	0390	0615	0515	2	04.2	00.4	04.2	2	1000	1000	1	0280	0300	0290	01.4	00.0	01.7				1050	1060
70293	0040	0030	0080	1	00.0	00.0	00.0	1	0900	0900	1	0050	0060	0030	00.0	00.0	00.0				0820	0890
70314	0060	0400	0180	1	00.0	00.6	00.1	1	0700	0750	1	0120	0380	0150	00.0	03.3	00.1				0740	0740
70349	0060	0240	0105	1	00.0	00.6	00.1	1	0800	0800	1	0090	0240	0080	00.0	00.0	00.0				0780	0790
70353	0015	0025	0025	1	00.0	00.0	00.0	1	0900	0900	1	0070	0110	0090	00.0	00.0	00.0				0910	0910
70369	0020	0020	0025	1	00.0	00.0	00.0	1	0900	0900	1	0060	0050	0050	00.0	00.0	00.0				0720	0790
70374	0520	0250	0590	2	05.8	01.9	05.9	2	0950	0950	1	0550	0350	0590	03.2	02.1	04.6				0940	0960
70395	0395	0215	0500	2	04.7	00.9	05.0	2	0950	0950	1	0390	0180	0420	03.1	01.3	04.2				0920	0940
70403	0025	0100	0050	1	00.0	00.1	00.0	1	1000	1000	1	0070	0290	0060	00.0	00.3	00.0				1030	1040
70413	0020	0090	0185	1	00.0	00.0	00.0	1	1050	1050	1	0060	0130	0030	00.0	00.9	00.0				0950	1080
70424	0040	0155	0045	1	00.0	00.0	00.0	1	0950	1000	1	0080	0130	0060	00.0	00.1	00.0	0100	0120	0140	0910	0940
70435	0115	0050	0100	1	00.0	00.0	00.0	1	0800	0800	1	0100	0100	0060	00.0	00.0	00.0	0070	0070	0060	0740	0750
70443	0665	0230	0680	2	03.7	03.4	03.8	2	0600	0600	1	0430	0240	0660	00.1	02.4	02.4	0080	0120	0080	0540	0640
70453	0720	0220	0730	2	06.0	00.6	05.9	2	0900	0900	1	0660	0320	0650	04.9	01.2	05.4	0090	0100	0090	0670	0890
70507	0055	0135	0075	1	00.0	00.0	00.0	1	1000	1000	1	0030	0210	0050	00.0	01.9	00.0	0250	0140	0100	0990	0990
70508	0725	0260	0745	2	07.4	00.3	07.0	2	0900	0900	1	0590	0070	0590	04.6	00.0	05.3	0100	0660	0100	0910	0940
70519	0335	0220	0370	2	02.3	00.1	02.4	2	0800	0800	1	0220	0420	0110	00.0	00.0	00.0	0080	0090	0080	0750	0710
70531	0100	0920	0140	1	00.0	00.0	00.1	1	0800	0800	1	0090	0250	0080	00.0	00.0	00.0	0090	0100	0080	0760	0800
70569	0375	0075	0250	2	01.0	00.0	00.9	2	0850	0850	1	0190	0430	0100	00.0	00.2	00.0	0070	0090	0060	0720	0750
70580	0010	0055	0155	1	00.0	00.0	00.4	1	0850	0850	1	0120	0020	0110	00.2	00.0	00.5	0130	0400	0130	0820	0830
70581	0430	0520	0595	2	04.9	02.0	04.7	2	1250	1250	2	0410	0220	0450	02.4	00.5	04.2	0110	0090	0120	0970	1030
70583	0105	0090	0110	1	00.0	00.0	00.0	1	0950	0950	1	0400	0150	0060	03.0	00.0	00.0	0120	0070	0060	0900	0930
70611	0605	0250	0670	2	08.0	01.2	07.7	2	0800	0800	1	0210	0080	0270	01.1	00.0	01.7	0120	0730	0180	0930	0970
70655	0805	1115	1120	2	06.8	00.4	07.2	2	0850	0900	1	0810	0920	1160	03.9	00.0	05.7	0110	0200	0120	0860	0830
70663	0180	0275	0270	1	02.0	00.2	01.3	2	0850	0900	1	0080	0270	0090	00.0	00.1	00.3	0090	0180	0110	0880	0940
76004	0265	0345	0260	2	01.4	00.2	01.2	2	0850	0850	1	0310	0230	0360	01.8	00.1	02.7	0110	0110	0110	0910	0900
76013	0575	0430	0390	2	06.3	10.4	03.6	2	0900	0900	1	0450	0210	0480	03.0	02.8	03.3	0200	0140	0140	0850	0900

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                              APPENDIX C - IDLE TEST RESULTS

CELL NO=35   MODEL YR(S)=1977
   MAKE=FORD MERC                 MODEL=MAVERICK GRANADA COMET MONARCH

         ---------D E Q    I D L E    T E S T----------    -------------H T S    I D L E    T E S T--------------
         --------HC------- --------CO------- ----RPM----   -----HC-------- -----CO-------- -----NOX------- --RPM---
EPA NO   1ST  2500 2ND  S 1ST  2500 2ND  S 1ST  2ND  S    1ST  2500 2ND  1ST  2500 2ND  1ST  2500 2ND  1ST  2ND

70003    0255 0085 0255 2 00.7 00.1 01.1 2 0800 0900 2    0020 0030 0020 00.0 00.0 00.1                0790 0840
70004    0065 0080 0045 1 00.0 00.0 00.0 1 1100 1150 1    0030 0040 0020 00.0 00.0 00.0                1110 1150
70005    0025 0040 0025 1 00.0 00.0 00.0 1 1250 1300 2    0030 0040 0020 00.0 00.0 00.0                1250 1280
70006    0030 0055 0035 1 00.0 00.0 00.0 1 1350 1350 2    0030 0050 0030 00.0 00.0 00.0                1290 1280
70010    0045 0095 0050 1 00.0 00.0 00.0 1 0850 0850 1    0140 0090 0060 00.0 00.0 00.0 0080 0140 0140 0760 0880

70025    0190 0100 0235 1 00.8 00.0 01.1 1 1100 1100 1    0240 0090 0210 00.8 00.0 00.9 0110 0160 0100 1100 1140
70052    0040 0070 0055 1 00.0 00.0 00.0 1 0900 0900 1    0030 0060 0030 00.0 00.0 00.0 0260 0240 0700 1220 1030
70087    1120 0570 1250 2 08.2 02.9 08.1 2 1000 1000 2    1030 0350 1050 08.4 02.8 08.0                0820 0890
70143    0025 0030 0030 1 00.0 00.1 00.1 1 0800 0800 1    0130 0170 0080 00.0 00.6 00.0                0800 0830
70164    0090 0130 0085 1 00.0 00.0 00.0 1 1050 1050 1    0170 0060 0060 00.0 00.0 00.0 0150 0060 0170 0980 1020

70174    0885 0385 1230 2 07.3 03.3 08.0 2 0850 0850 1    0750 0150 0730 06.8 00.9 07.0 0130 0140 0120 0810 0850
70178    0405 0500 0465 2 02.9 00.1 03.0 2 0850 0850 1    0470 0210 0560 02.5 00.0 04.0 0090 0170 0090 0880 0900
70194    1565 0685 1465 2 10.1 07.9 09.6 2                1050 0370 1030 08.1 04.6 08.7                0740 0740
70201    0030 0095 0050 1 00.0 00.0 00.0 1 1000 1000 1    0120 0070 0060 00.0 00.0 00.0                0980 1000
70223    0300 0200 0330 2 03.6 01.0 03.2 2 0800 0800 1    0340 0130 0340 02.4 01.1 03.0                0740 0820

70237    0740 0380 0770 2 06.0 01.6 05.1 2 0850 0850 1    0750 0300 0660 03.4 00.8 02.4                0850 0850
70244    0285 0240 0400 2 01.6 01.9 00.8 1 0800 0800 1    0080 0120 0060 00.0 00.3 00.0                0770 0830
70261    0875 0255 0765 2 05.8 01.4 04.0 2 0600 0600 1    0820 0190 0670 01.6 00.0 01.7                0830 0860
70266    2000 0670 2000 2 10.3 02.9 10.0 2 0500 0500 1    2550 0800 2550 09.9 00.8 09.9                0670 0680
70288    0325 0160 0430 2 00.4 00.7 00.6 1 0800 0800 1    0290 0100 0250 00.0 00.1 00.1                0780 0800

70337    0140 0085 0105 1 00.0 00.0 00.0 1 0800 0800 1    0140 0060 0090 00.0 00.0 00.0                0730 0820
70376    0150 0095 0145 1 00.4 00.1 00.1 1 0850 0850 1    0060 0020 0050 00.1 00.0 00.0                0900 0940
70392    0040 0090 0080 1 00.0 00.0 00.0 1 1150 1150 2    0120 0060 0090 00.0 00.0 00.0                1000 1040
70408    0500 0080 0550 2 02.5 00.4 02.2 2 1050 1050 1    0460 0520 0470 00.9 00.2 02.1                0900 0980
70420    0050 0110 0075 1 00.0 00.0 00.0 1 1000 1000 1    0050 0040 0040 00.0 00.0 00.0 0140 0090 0150 1030 1080

70484    0200 0190 0205 1 00.1 00.3 00.0 1 0900 0900 1    0200 0090 0150 00.1 00.0 00.0 0070 0130 0170 0820 0910
70492    0120 0070 0105 1 00.0 00.0 00.0 1 0800 0850 1    0050 0020 0030 00.0 00.0 00.0 0100 0340 0060 0830 0860
70555    0095 0140 0075 1 00.0 00.0 00.0 1 0950 1000 1    0080 0050 0080 00.0 00.0 00.0 0220 0100 0200 1020 1000
70566    0050 0185 0060 1 00.0 00.0 00.0 1 0850 0850 1    0130 0100 0090 00.0 00.0 00.0 0180 0120 0190 0920 0920
70629    0315 0545 0240 2 00.0 00.0 00.0 1 0800 0800 1    0070 0160 0060 00.0 00.0 00.0 0030 0170 0040 0770 0830

70631    0060 0100 0095 1 00.0 00.0 00.0 1 0750 0750 1    0030 0070 0020 00.0 00.0 00.0 0060 0110 0060 0770 0800
70664    0090 0060 0055 1 00.0 00.0 00.0 1 0800 0800 1    0040 0030 0070 00.0 00.0 00.0 0080 0320 0080 0780 0850
74006    0125 0150 0145 1 00.0 00.0 00.0 1 0900 0900 1    0100 0100 0070 00.0 00.0 00.0 0140 0280 0150 0870 0910
74014    0150 0175 0390 1 00.1 00.0 00.2 1 0800 0800 1    0120 0100 0060 00.0 00.0 00.0 0120 0180 0140 0770 0850
76008    0360 0195 0420 2 03.5 00.6 04.5 2 0900 0900 1    0450 0180 0410 03.0 00.5 03.6 0130 0200 0140 0830 0920

76009    0360 0430 0560 2 00.1 00.4 00.3 1 0700 0700 1    0200 0100 0200 00.0 00.0 00.2 0080 0170 0060 0630 0710
76010    1765 0465 1675 2 10.5 02.5 10.5 2 0600 0600 1    1580 0310 1300 09.9 03.2 99.5 0150 0200 0140 0700 0730
76021    0275 0065 0265 2 07.7 00.1 07.3 2 0900 0900 1    0280 0600 0240 06.8 04.5 06.4 0100 0160 0120 0670 0920
76047    0500 0300 0500 2 01.4 00.2 00.9 1 0800 0850 1    0460 0050 0380 01.9 00.0 01.8 0090 0420 0100 0800 0760
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                              APPENDIX C - IDLE TEST RESULTS

CELL NO=36   MODEL YR(S)=1977
   MAKE=FORD MERC                 MODEL=T-BIRD LTD-II COUGAR

         ---------D E Q    I D L E    T E S T----------    -------------H T S    I D L E    T E S T--------------
         --------HC------- --------CO------- ----RPM----   -----HC-------- -----CO-------- -----NOX------- --RPM---
EPA NO   1ST  2500 2ND  S 1ST  2500 2ND  S 1ST  2ND  S    1ST  2500 2ND  1ST  2500 2ND  1ST  2500 2ND  1ST  2ND

70065    0090 0090 0075 1 00.0 00.0 00.0 1 1000 1000 1    0210 0060 0100 00.0 00.0 00.0 0080 0150 0100 0960 1060
70069    0210 0050 0035 1 02.9 00.1 00.0 1 0800 0800 1    0160 0060 0060 00.0 00.0 00.0 0080 0110 0090 0900 0900
70070    0270 0090 0210 1 00.3 00.0 00.3 1 0900 0900 1    0340 0060 0280 00.2 00.0 00.0 0100 0480 0120 0820 0860
70086    0030 0030 0040 1 00.0 00.0 00.0 1 1000 1000 1    0060 0040 0060 00.0 00.0 00.0                0920 0960
70103    0160 0120 0300 1 00.1 00.7 00.9 1 0900 0900 1    0210 0140 0480 00.1 01.0 00.9                0850 0930

70155    0820 0750 0915 2 06.3 00.1 06.6 2 0900 0900 1    0840 0390 0770 05.6 00.0 06.7                0920 0940
70162    0040 0035 0050 1 00.0 00.0 00.0 1 0750 0750 1    0060 0040 0050 00.0 00.0 00.0 0080 0100 0090 0780 0770
70185    1960 0555 1690 2 09.6 05.1 09.5 2 0600 0600 1    1220 0450 1360 09.5 02.5 09.9                0600 0800
70196    0140 0075 0040 1 00.4 00.1 00.0 1 0850 0850 1    0150 0050 0030 00.0 00.1 00.0                0730 0790
70200    0045 0135 0365 1 00.0 00.0 00.5 1 0800 0800 1    0270 0170 0300 00.2 00.0 00.4                0760 0780

70241    0040 0035 0035 1 00.1 00.0 00.0 1 1000 1000 1    0100 0030 0030 00.0 00.0 00.0                0980 1060
70258    0340 0200 0330 2 01.4 00.0 01.7 2 1000 1000 1    0380 0090 0290 01.0 00.0 01.3                0980 1020
70292    1775 0550 1650 2 08.5 00.2 08.3 2 0700 0700 1    1200 0400 1300 07.1 00.0 08.4                0780 0780
70327    0040 0095 0045 1 00.0 00.0 00.0 1 0750 0750 1    0080 0080 0060 00.0 00.0 00.0                0690 0680
70345    0170 0040 0030 1 02.3 00.1 00.0 1 0700 0700 1    0110 0050 0050 00.0 00.0 00.0                0680 0790

70393    0700 0150 0720 2 07.3 00.1 06.7 2 0850 0850 1    0680 0060 0670 05.7 00.0 06.2                0920 0930
70411    0065 0120 0240 1 00.1 01.6 00.0 1 1000 1000 1    0050 0020 0030 00.0 00.0 00.0                1010 1030
70417    0465 0415 0620 2 03.9 02.1 03.7 2 0900 0900 1    0560 0210 0520 02.9 03.2 02.7 0100 0250 0110 0890 0960
70418    0490 0365 0545 2 02.0 00.1 01.1 2 0900 0900 1    0960 0320 0630 01.1 00.1 00.1 0130 0220 0140 0910 0910
70419    0815 0565 0845 2 07.4 00.6 07.2 2 1000 1000 1    0760 0320 0700 05.8 00.1 06.3 0110 0160 0120 1020 1070

70440    0540 0330 0530 2 04.0 00.0 04.3 2 0900 0900 1    0610 0230 0530 03.5 00.0 04.2 0080 0140 0090 0860 0910
70488    0425 0285 0435 2 06.1 00.4 05.4 2 0750 0750 1    0520 0220 0390 03.3 00.4 03.6 0110 0170 0120 0940 0980
70490    0405 0300 0495 2 02.7 00.4 02.1 2 1050 1050 1    0530 0160 0310 01.2 00.0 00.7 0120 0160 0100 0920 1020
70500    0135 0050 0030 1 03.9 00.1 00.0 1 0800 0800 1    0120 0020 0030 00.5 00.0 00.0 0070 0110 0060 0650 0650
70528    0110 0030 0095 1 00.0 00.0 00.0 1 0950 0950 1    0120 0030 0110 00.0 00.0 00.0 0100 0120 0110 1020 1030

70549    0040 0045 0060 1 00.0 00.0 00.0 1 0800 0800 1    0290 0060 0050 04.6 00.0 00.0 0100 0140 0080 0850 0960
70555    0070 0030 0075 1 00.0 00.0 00.0 1 0700 0700 1    0110 0030 0080 00.0 00.0 00.0 0050 0090 0080 0730 0750
70560    0085 0090 0125 1 00.0 00.0 00.0 1                0060 0020 0080 00.0 00.0 00.0 0080 0100 0080 0790 0800
70578    0050 0020 0045 1 00.0 00.0 00.0 1 0800 0850 1    0080 0020 0050 00.0 00.0 00.0 0075 0100 0080 0720 0720
70587    0860 0255 0865 2 08.0 00.3 07.7 2 0800 0800 1    0790 0230 0730 05.3 00.0 05.9 0120 0150 0120 0780 0800

70591    0025 0020 0025 1 00.2 00.0 00.0 1 0900 0900 1    0110 0050 0020 00.0 00.0 00.0 0150 0170 0200 0620 0700
70596    0065 0060 0075 1 00.0 00.0 00.0 1 0875 0900 1    0050 0020 0030 00.0 00.0 00.0 0080 0110 0080 0920 0960
70605    0520 0090 0530 2 01.3 00.0 01.2 2 0750 0750 1    0780 0080 0300 01.8 00.0 00.6 0090 0150 0070 0940 0960
70643    0500 0200 0600 2 03.3 00.1 03.7 2 0800 0850 1    0520 0160 0540 02.8 00.0 02.4 0100 0120 0100 0880 0930
70648    0020 0020 0030 1 00.0 00.0 00.0 1 0850 0850 1    0040 0020 0020 00.0 00.0 00.0 0080 0130 0080 0830 0880
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APPENDIX C - IDLE TEST RESULTS

CELL NO=38   MODEL YR(S)=1977

MAKE=FORD MERC   MODEL=FORD T-BIRD LTD-II MERC COUGAR

	D E Q	IDLE	TEST									H T S	IDLE	TEST								
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70110	0120	0050	0045	1	02.1	00.0	00.0	1	0750	0750	1	0060	0020	0030	00.0	00.0	00.0	0070	0080	0080	0670	0780
70113	0055	0060	0065	1	00.0	00.0	00.0	1	0750	0750	1	0060	0040	0030	00.0	00.0	00.0	0070	0100	0060	0730	0730
70170	0770	0125	0075	1	06.8	00.2	00.5	1	1000	1000	1	0690	0040	0080	07.5	00.0	00.0	0080	0160	0050	0900	0970
70222	0040	0090	0075	1	00.0	00.0	00.0	1	0800	0800	1	0080	0030	0020	00.0	00.0	00.0				0770	0810
70225	0170	0045	0050	1	02.5	00.0	00.0	1	0800	0800	1	0120	0040	0140	00.0	00.0	00.0				0850	0800
70226	0020	0025	0025	1	00.0	00.0	00.0	1	0800	0800	1	0030	0030	0020	00.0	00.0	00.0				0760	0840
70242	0060	0195	0065	1	00.0	00.1	00.0	1				0040	0060	0040	00.0	00.0	00.0				0880	0960
70250	0050	0060	0075	1	00.0	00.0	00.0	1	0800	0800	1	0090	0030	0070	00.0	00.0	00.0				0800	0820
70254	0050	0060	0065	1	00.0	00.0	00.0	1	0900	0900	1	0090	0030	0050	00.0	00.0	00.0				0970	0990
70309	0030	0075	0040	1	00.0	00.0	00.0	1	0900	0900	1	0050	0030	0040	00.0	00.0	00.0				0960	0970
70315	1275	0405	1335	2	09.4	02.3	09.2	2	0750	0750	1	1220	0400	1240	08.8	01.8	08.9				0780	0790
70323	0045	0095	0085	1	00.0	00.0	00.0	1	1000	1000	1	0090	0060	0100	00.9	00.0	00.0				0870	0950
70331	0010	0060	0020	1	00.0	00.0	00.0	1	1000	1000	1	0070	0060	0040	00.0	00.0	00.0				0910	1060
70363	0030	0050	0030	1	00.0	00.0	00.0	1	0750	0750	1	0060	0030	0030	00.0	00.0	00.0				0730	0780
70380	0140	0140	0140	1	00.0	00.0	00.0	1	0700	0700	1	0250	0190	0190	00.0	00.1	00.0				0700	0770
70421	0250	0280	0035	1	03.4	00.1	00.0	1	1000	1000	1	0310	0080	0030	04.8	00.0	00.0	0100	0120	0100	0930	1070
70422	0095	0100	0095	1	00.0	00.0	00.0	1	0900	0900	1	0060	0060	0050	00.0	00.0	00.0	0090	0100	0090	0900	0900
70423	0060	0195	0040	1	01.7	00.0	00.0	1	0750	0750	1	0090	0040	0090	00.0	00.0	00.0	0080	0310	0090	0820	0830
70425	0030	0055	0045	1	00.0	00.0	00.0	1	0700	0700	1	0090	0040	0040	00.0	00.0	00.0	0160	0180	0080	0720	0750
70450	0085	0095	0085	1	00.0	00.0	00.0	1	1000	1000	1	0160	0050	0100	00.0	00.0	00.0	0060	0090	0080	0980	1020
70480	0035	0105	0110	1	00.0	00.0	00.0	1	0800	0800	1	0170	0100	0160	00.0	00.0	00.0	0150	0180	0160	0920	0930
70493	0035	0050	0060	1	00.0	00.0	00.0	1	0800	0800	1	0080	0080	0050	00.0	00.0	00.0	0080	0120	0090	0840	0890
70503	0095	0300	0120	1	00.0	00.0	00.0	1	0900	0900	1	0440	0190	0110	01.2	00.0	00.0	0080	0100	0140	0990	1020
70504	0015	0035	0020	1	00.0	00.2	00.0	1	0700	0700	1	0180	0040	0020	03.4	00.0	00.0	0075	0065	0060	0600	0640
70517	0195	0100	0070	1	04.3	00.1	00.0	1	1000	1000	1	0260	0070	0070	03.5	00.0	00.0	0110	0140	0130	0900	1030
70544	0050	0050	0070	1	00.0	00.0	00.0	1	0900	0900	1	0080	0040	0040	00.0	00.0	00.0	0070	0130	0080	0860	0870
70571	0055	0115	0080	1	00.0	00.0	00.0	1	0800	0800	1	0080	0030	0030	00.0	00.0	00.0	0080	0120	0080	0850	0860
70610	0030	0055	0030	1	00.0	00.0	00.0	1	0950	0950	1	0350	0060	0040	03.5	00.0	00.0	0120	0200	0150	0910	1040
70628	0130	0195	0115	1	00.0	00.0	00.0	1	0900	0900	1	0170	0020	0120	00.0	00.0	00.0	0040	0080	0060	0840	0860
70646	0060	0100	0060	1	00.1	00.1	00.1	1	0900	0900	1	0160	0050	0080	02.0	00.1	00.2	0120	0160	0140	1000	1100
70647	0035	0060	0035	1	00.0	00.0	00.0	1	0800	0800	1	0030	0030	0020	00.0	00.0	00.0	0100	0120	0100	0950	0950
70651	0030	0070	0040	1	00.0	00.0	00.0	1	0750	0750	1	0070	0050	0030	00.0	00.0	00.0	0100	0140	0150	1010	1030
70660	0045	0045	0095	1	00.0	00.0	00.0	1	0850	0850	1	0030	0040	0020	00.0	00.0	00.0	0120	0130	0120	0900	0900
70662	0180	0165	0190	1	00.0	00.0	00.0	1	0650	0650	1	0090	0050	0080	00.0	00.0	00.0	0050	0100	0100	0750	0780
70665	0140	0180	0150	1	00.0	00.0	00.0	1	1050	1050	1	0100	0120	0100	00.0	00.0	00.0	0200	0200	0190	1150	1170
74004	0025	0055	0030	1	00.0	00.0	00.0	1	0800	0850	1	0030	0020	0010	00.0	00.0	00.0	0060	0060	0070	0900	0910
74015	0030	0095	0045	1	00.0	00.0	00.0	1	0950	1000	1	0060	0050	0030	00.0	00.0	00.0	0080	0100	0070	0880	0890
74018	0100	0075	0100	1	00.0	00.0	00.0	1	0900	0900	1	0150	0030	0050	00.0	00.0	00.0	0070	0110	0080	0820	0870
74021	0075	0085	0065	1	01.5	00.1	00.0	1	0800	0800	1	0060	0030	0030	00.0	00.0	00.0	0070	0110	0100	0750	0830

APPENDIX C - IDLE TEST RESULTS

CELL NO=39   MODEL YR(S)=1975,1976

MAKE=CHEV   MODEL=VEGA

	D E Q	IDLE	TEST									H T S	IDLE	TEST								
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50033	0030	0010	0035	1	00.0	00.0	00.0	1	0800	0800	1	0090	0010	0050	00.0	00.0	00.0	0050	0090	0070	0850	0870
50083	0305	0170	0365	2	06.6	03.0	05.0	2	1000	1000	1	0440	0240	0370	06.3	03.0	05.7	0120	0160	0120	0930	0980
50102	0090	0140	0095	1	02.1	00.3	01.9	2	1200	1200	1	0110	0080	0090	03.1	00.9	02.8	0100	0090	0090	1280	1320
50105	0030	0120	0075	1	00.1	02.4	00.1	1	1100	1100	1	0030	0060	0040	00.0	00.1	00.0	0095	0070	0060	1010	0960
50109	0010	0020	0020	1	00.0	00.0	00.0	1	0800	0800	1	0030	0020	0030	00.0	00.0	00.0				0750	0700
50116	0030	0020	0025	1	00.0	00.0	00.0	1	1000	1000	1	0070	0090	0060	00.2	01.2	00.0				1010	1020
50138	0235	0195	0305	2	05.7	03.4	05.7	2	1250	1250	2	0310	0290	0360	05.4	03.3	05.4				1220	1240
50170	0045	0095	0175	1	00.1	00.8	02.0	1	1200	1200	1	0040	0150	0040	00.0	02.6	00.0	0110	0130	0080	1030	0990
50174	0120	0045	0120	1	03.2	00.0	03.5	2	1150	1150	1	0180	0120	0160	06.4	02.5	05.5	0110	0160	0120	1160	1150
50196	0020	0025	0020	1	00.0	00.0	00.0	1	0950	0950	1	0030	0010	0020	00.0	00.0	00.0				0950	0960
50224	0245	0145	0315	2	05.9	00.9	06.4	2	1000	1000	1	0390	0140	0300	08.3	00.7	06.5				0850	1000
50234	0185	0115	0215	1	06.1	01.7	05.9	2				0200	0050	0200	04.6	00.1	04.9				1010	1020
50243	0020	0025	0050	1	00.0	00.0	00.0	1	1000	1000	1	0030	0030	0020	00.0	00.0	00.0				1070	1090
50250	0580	0280	0500	2	08.5	02.6	07.8	2	1000	1000	1	0470	0200	0460	07.1	00.3	06.3				1160	1170
50307	0705	0175	0300	2	04.3	05.2	04.1	2	1100	1100	1	0180	0240	0140	01.2	01.9	01.0				0950	0930
50330	0050	0025	0040	1	00.1	00.1	00.1	1	0950	0950	1	0160	0100	0140	00.1	00.2	00.0				0960	0970
50365	0020	0080	0035	1	00.0	00.9	00.0	1	0950	0950	1	0020	0040	0020	00.0	00.4	00.0				1050	1100
50382	0270	0075	0350	2	05.8	00.2	06.5	2	0800	0800	1	0530	0140	0450	08.9	01.8	08.0	0090	0130	0090	0670	0730
50384	0030	0035	0085	1	00.1	00.1	00.1	1	1100	1050	1	0030	0040	0030	00.0	00.0	00.0	0100	0120	0110	1100	1110
50452	0170	0150	0205	1	03.8	01.4	03.4	2	1050	1050	1	0200	0180	0200	01.6	00.7	02.0	0110	0130	0110	1000	1040
50455	0150	0150	0170	1	02.8	00.1	02.0	2	0750	0750	1	0260	0100	0170	03.5	00.0	00.9	0120	0380	0130	0900	0870
50461	0270	1280	0380	2	05.3	00.1	05.6	2	1250	1250	1	0270	0100	0380	04.8	00.1	05.0	0120	0160	0120	0990	0990
50518	0070	0060	0065	1	00.0	00.0	00.0	1	0800	0800	1	0050	0060	0040	00.0	00.0	00.0	0060	0130	0070	0950	0980
50548	0125	0065	0130	1	01.5	00.1	02.0	2	0900	0900	1	0150	0140	0120	02.4	00.2	01.9	0140	0160	0140	0930	0910
56037	0085	0235	0135	1	00.6	07.0	01.2	1	1150	1150	6	0060	0140	0060	00.1	03.8	00.1				1080	1080
60057	0070	0120	0030	1	00.0	00.0	00.0	1	1000	1000	1	0040	0120	0020	00.0	00.1	00.0	0060	0090	0050	0990	0970
60278	0110	0180	0165	1	02.2	03.0	02.0	2	1050	1050	1	0060	0170	0030	00.1	03.4	00.0				0970	0960
60385	0260	0205	0370	2	05.2	00.6	05.6	2	0900	0900	1	0260	0190	0260	05.2	00.3	05.3				0910	0920
60480	0220	0310	0280	2	06.1	02.3	06.1	2	0950	0950	5	0250	0130	0230	05.8	00.5	05.6	0100	0320	0100	1000	1000
60540	0115	0120	0135	1	03.3	02.2	03.4	2	1200	1200	2	0160	0130	0150	03.3	02.5	03.1	0120	0150	0120	1180	1200
60628	0110	0050	0015	1	00.0	00.1	00.0	1				0120	0050	0050	00.0	00.0	00.0	0090	0110	0050	0710	0700
60655	0010	0060	0020	1	00.0	00.9	00.0	1	0750	0800	1	0110	0100	0060	00.1	00.8	00.0	0060	0140	0060	1000	0920
60681	0260	0090	0200	2	02.8	00.1	00.0	2	0700	0700	1	0250	0110	0250	03.5	00.0	04.0	0060	0100	0060	0740	0770
60727	0220	0130	0260	1	06.0	00.2	06.1	2	1050	1050	1	0360	0100	0270	07.6	00.1	06.6	0120	0150	0130	0970	1000
60731	0185	0140	0165	1	03.3	03.0	03.0	2	1000	1000	1	0060	0210	0120	00.0	05.0	00.5	0040	0250	0100	0950	0980
66026	0125	0075	0175	1	03.6	00.5	03.4	2	1000	1000	1	0160	0090	0150	03.3	01.0	02.7	0140	0150	0140	0990	1000

APPENDIX C - IDLE TEST RESULTS

CELL NO=40   MODEL YR(S)=1975,1976

MAKE=CHEV   MODEL=VEGA MONZA

	D E W	IDLE TEST										H T S	IDLE TEST									
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50081	0020	0020	0030	1	00.0	00.5	00.0	1	1100	1100	1	0050	0030	0050	00.0	00.1	00.0	0010	0100	0040	0890	0970
50152	0015	0025	0025	1	00.0	00.1	00.0	1	1000	1000	1	0050	0040	0050	00.0	00.4	00.0				0660	0680
50164	0445	0215	0675	2	07.6	04.1	07.7	2	0750	0750	1	0470	0180	0430	08.1	03.4	06.8	0080	0160	0090	0690	0710
50166	0430	0190	0615	2	08.4	03.0	08.4	2	0650	0650	1	0410	0150	0310	08.4	02.5	07.3	0120	0220	0110	0730	0770
50172	0200	0360	0510	1	01.0	03.2	02.2	1	0700	0700	1	0170	0070	0230	01.0	00.3	02.5	0080	0280	0100	0690	0680
50216	0160	0060	0310	2	03.0	00.1	03.1	2	0850	0850	1	0170	0060	0240	02.4	00.2	03.2				0770	0780
50239	0230	0220	0295	2	07.8	06.5	07.8	2	1050	1050	1	0320	0260	0290	09.0	05.5	07.6				0850	0980
50309	0015	0050	0040	1	00.0	00.3	00.0	1	1000	1000	1	0050	0120	0030	00.0	01.5	00.0				1050	1060
50325	0225	0270	0320	2	05.5	06.4	05.4	2	0850	0850	5	0300	0240	0290	06.7	04.6	05.5				0870	0880
50388	0230	0175	0265	2	03.9	02.1	04.1	2	1200	1200	1	0320	0230	0280	05.4	03.0	03.7	0120	0220	0120	1170	1170
50390	0035	0055	0095	1	00.0	00.7	00.1	1	0650	0650	1	0040	0030	0050	00.0	00.1	00.0	0065	0225	0065	0700	0750
50391	0160	0105	0210	1	02.7	00.7	03.9	2	0900	0900	1	0300	0120	0200	06.4	02.7	03.5	0100	0230	0110	0900	0900
50405	0260	0155	0585	2	06.3	01.7	06.9	2	0800	0800	1	0310	0130	0270	06.7	01.3	06.0	0080	0260	0080	0800	0820
50415	0225	0190	0255	2	09.1	07.1	08.4	2	1050	1050	1	0370	0290	0300	09.7	05.9	08.4	0100	0180	0110	1120	1190
50420	0015	0035	0035	1	00.0	00.3	00.0	1	1050	1050	1	0020	0020	0040	00.0	00.2	00.0	0070	0200	0070	0980	0970
50429	0165	0160	0330	1	01.2	00.8	01.9	2	0800	0800	1	0200	0030	0170	01.4	00.0	00.8	0100	0340	0080	0790	0700
50470	0065	0070	0090	1	00.2	00.7	00.1	1	0850	0900	1	0080	0040	0050	00.2	00.0	00.0	0080	0140	0070	0900	0880
50505	0080	0265	0160	1	00.5	06.0	00.4	1	0900	0900	5	0080	0140	0070	00.2	00.4	00.1	0100	0360	0120	0910	0920
50513	0090	0125	0270	1	00.0	00.6	00.0	1	0600	0650	1	0060	0040	0070	00.0	00.4	00.0	0060	0300	0070	0630	0640
50526	0215	0105	0305	1	04.3	00.6	04.4	2	1000	1000	1	0320	0100	0240	05.5	00.8	04.9	0100	0440	0100	1030	1030
54032	0020	0025	0065	1	00.0	00.0	00.0	1	0850	0850	1	0130	0060	0080	00.0	00.0	00.0	0090	0250	0060	0700	0700
56013	0400	0340	0395	2	08.6	04.1	08.1	2	0900	0900	1	0500	0250	0370	09.3	03.5	08.3	0110	0290	0110	0840	0850
56016	0260	0095	0240	2	00.0	00.1	00.0	1	0900	0900	1	0380	0060	0400	00.0	00.2	00.0	0100	0300	0080	0970	0920
56033	0350	0120	0375	2	04.3	01.0	04.4	2	0800	0800	1	0400	0240	0360	03.8	03.0	04.4	0130	0410	0140	0740	0750
60002	0020	0070	0035	1	00.0	00.1	00.0	1	0800	0800	1	0100	0080	0050	00.0	00.5	00.0	0090	0130	0090	0700	0760
60010	0035	0035	0050	1	00.0	00.0	00.0	1	0900	0900	1	0040	0030	0030	00.0	00.0	00.0	0100	0170	0110	0850	0880
60259	0035	0060	0030	1	00.1	00.6	00.1	1	1000	1000	1	0040	0060	0050	00.0	00.8	00.0				0560	0570
60323	0115	0120	0150	1	00.7	00.4	00.6	1	0500	0500	1	0210	0060	0050	00.5	00.0	00.0				0830	0780
60375	0115	0320	0295	1	05.9	02.2	08.2	2	1100	1100	2	0300	0070	0220	07.6	00.3	07.0				0980	1030
60379	0045	0070	0090	1	00.0	00.2	00.0	1	0700	0700	1	0050	0050	0050	00.0	00.0	00.0				0670	0690
60566	0010	0015	0030	1	00.0	00.0	00.0	1	0850	0850	1	0060	0090	0040	00.0	02.0	00.0	0060	0190	0060	0670	0860
60603	0065	0120	0110	1	00.2	04.4	00.4	1	0900	0900	1	0030	0100	0030	00.1	02.9	00.0	0030	0090	0040	0830	0800
60652	0050	0040	0045	1	00.1	00.5	00.0	1	0800	0800	1	0130	0050	0130	00.0	00.5	00.0				0750	0750
60677	0030	0100	0050	1	00.0	01.0	00.0	1	0800	0700	1	0230	0080	0210	00.0	00.6	00.0	0050	0200	0050	0680	0710
60719	0180	0060	0255	1	00.4	00.2	01.0	1	0750	0750	1	0220	0090	0200	00.5	00.2	00.5	0060	0080	0050	0790	0830
64020	0035	0115	0050	1	00.0	00.0	00.0	1	1000	1000	1	0060	0130	0060	00.0	00.0	00.0	0120	0220	0120	1110	1160

APPENDIX C - IDLE TEST RESULTS

CELL NO=41   MODEL YR(S)=1975,1976

MAKE=CHEV PONT OLDS   MODEL=NOVA CAMARO VENTURA FBIRD CUTLASS OMEGA

	D E W	IDLE TEST										H T S	IDLE TEST									
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50108	0070	0100	0110	1	00.7	02.4	00.1	1	1500	1450	2	0050	0080	0050	00.0	00.5	00.0				0870	0860
50110	0045	0110	0050	1	00.0	01.1	00.0	1				0050	0040	0070	00.0	00.2	00.0				0790	0740
50230	0255	0085	0305	2	03.2	00.2	02.5	2	1000	1000	1	0250	0050	0230	01.4	00.0	01.5				0900	0900
50246	0465	0085	0630	2	04.4	00.1	04.5	2	0700	0700	1	0520	0060	0370	05.0	00.0	04.3				0660	0660
50266	0500	0120	0400	2	06.6	00.1	05.3	2	0800	0800	1	0560	0120	0430	06.6	00.0	05.7				0760	0800
50327	0030	0020	0110	1	00.0	00.0	00.0	1	0750	0750	1	0060	0020	0050	00.0	00.0	00.0				0730	0730
50361	0045	0125	0050	1	00.0	01.4	00.0	1	0950	1000	1	0040	0130	0050	00.0	02.3	00.0				0810	0770
50364	0035	0050	0045	1	00.0	00.2	00.0	1	0800	0800	1	0040	0030	0030	00.0	00.0	00.0				0680	0680
50443	0410	0075	0540	2	07.3	00.1	07.8	2	1000	1000	1	0460	0080	0460	06.4	00.1	06.3	0110	0220	0120	0960	0970
50454	0215	0185	0235	2	05.3	03.6	05.5	2	0600	0600	1	0310	0060	0220	06.3	00.4	05.4	0090	0300	0100	0530	0560
50496	0045	0040	0025	1	00.0	00.0	00.0	1	0900	0900	1	0020	0010	0020	00.0	00.0	00.0	0100	0220	0100	0960	0960
56014	0195	0075	0210	1	03.5	00.2	03.0	2	0700	0700	1	0140	0070	0380	00.0	00.0	00.5	0040	0140	0040	0600	0660
56015	0160	0060	0225	2	05.1	00.4	04.3	2	0900	0900	1	0220	0050	0160	03.6	00.0	03.4	0120	0280	0130	0760	0820
60005	0030	0025	0045	1	00.0	00.0	00.0	1	1050	1050	1	0050	0030	0040	00.0	00.0	00.0	0100	0120	0100	0950	0990
60108	0185	0070	0175	1	02.5	00.3	00.8	1	1000	1000	1	0220	0020	0180	00.7	00.0	00.8	0070	0220	0080	0940	0950
60165	0195	0055	0235	1	02.2	00.1	01.6	2	1000	1000	1	0260	0030	0230	02.2	00.0	02.1				0920	0910
60183	0300	0135	0365	1	04.7	00.7	04.6	2	1100	1100	1	0310	0050	0260	03.6	00.0	03.3	0100	0300	0110	0950	0980
60237	0035	0010	0035	1	00.0	00.0	00.0	1	0800	0800	1	0030	0020	0020	00.0	00.0	00.0				0800	0800
60243	0070	0065	0070	1	00.0	00.0	00.0	1	0600	0600	1	0050	0020	0050	00.0	00.0	00.0				0660	0660
60247	0040	0040	0045	1	00.0	00.0	00.0	1	0900	0900	1	0060	0020	0060	00.0	00.0	00.0				0820	0810
60273	0200	0215	0470	1	01.0	01.0	04.2	1	0900	0900	1	0140	0090	0440	00.0	01.0	04.2				0850	0960
60356	0450	0230	0500	2	06.7	03.2	06.8	2	0700	0700	1	0560	0160	0550	07.3	01.7	06.9				0720	0720
60357	0135	0075	0160	1	00.7	00.4	00.1	1	0900	0900	1	0200	0050	0210	00.0	00.0	00.0				0830	0810
60409	0160	0055	0185	1	02.1	00.1	01.8	2	0900	1000	1	0340	0100	0170	00.9	00.0	00.4				0860	0870
60449	0260	0680	0290	2	03.3	02.6	02.9	2	0950	0950	1	0310	0060	0320	01.5	00.1	01.7				0830	0850
60506	0195	0070	0235	2	02.0	00.1	01.3	2	1000	1000	1	0240	0060	0200	01.5	00.0	01.2	0080	0210	0070	0830	0830
60520	0075	0090	0065	1	00.0	00.0	00.0	1	0750	0750	1	0030	0020	0060	00.0	00.0	00.0	0050	0160	0050	0870	0910
60569	0160	0060	0160	2	06.8	00.4	05.9	2	0800	0800	1	0140	0030	0130	02.6	00.0	02.9	0110	0160	0120	0840	0870
60585	0040	0020	0065	1	00.0	00.0	00.0	1	0900	0900	1	0130	0060	0140	00.1	00.1	00.0	0040	0080	0050	0800	0820
60592	0105	0040	0035	1	00.1	00.0	00.1	1	0700	0700	1	0130	0020	0120	00.0	00.0	00.0	0060	0200	0060	0680	0700
60660	0115	0125	0045	1	01.3	04.0	00.0	1	0750	0750	1	0060	0030	0040	00.0	00.1	00.0	0060	0260	0060	0670	0690
60667	0255	0125	0280	1	02.8	00.2	02.6	2	0850	0850	1	0360	0040	0320	01.1	00.0	02.1	0070	0240	0090	0790	0830
60707	0015	0035	0015	1	00.0	00.0	00.0	1	0700	0700	1	0190	0140	0150	00.0	00.0	00.0	0200	0480	0180	0670	0700
64023	0085	0040	0085	1	00.0	00.0	00.0	1	1200	1150	1	0120	0020	0100	00.0	00.0	00.0	0020	0140	0010	0630	0690
66005	0210	0060	0245	1	03.3	00.1	03.3	2	1000	1000	1	0250	0050	0240	02.8	00.0	03.4	0070	0180	0080	0850	0940
66016	0780	0265	0820	2	06.3	04.4	06.3	2	0800	0800	1	1050	0210	1070	07.4	02.5	07.6	0100	0640	0100	0720	0750
66027	0285	0250	0310	2	05.3	01.5	04.6	2	1200	1200	2	0300	0080	0270	04.3	00.0	04.9	0090	0180	0100	1070	1100

APPENDIX C - IDLE TEST RESULTS

CELL NO=42 MODEL YR(S)=1975,1976

MAKE=CHEV MODEL=MALIBU CAMARO MONTE CARLO LAGUNA

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50014	0145	0100	0155	1	01.6	02.0	01.3	2	1050	1050	1	0050	0030	0120	00.0	00.8	00.7	0080	0200	0100	0770	0890
50163	0045	0050	0065	1	00.0	00.1	00.1	1	0900	0900	1	0130	0030	0070	00.0	00.1	00.0	0040	0090	0040	0790	0800
50183	0065	0015	0075	1	00.0	00.1	00.0	1	0600	0600	1	0090	0010	0060	00.0	00.0	00.0	0040	0100	0040	0640	0670
50203	0155	0045	0160	1	00.5	00.1	00.5	1	0900	0900	1	0080	0020	0070	00.0	00.6	00.0				0790	0850
50205	0170	0145	0150	1	00.5	02.1	00.1	1	0950	0950	1	0050	0070	0050	00.0	01.4	00.0				0830	0890
50227	0420	0100	0320	2	00.7	00.8	00.5	1	0700	0700	1	0080	0020	0060	00.0	00.0	00.0				0610	0630
50229	0050	0030	0040	1	00.0	00.1	00.0	1	0800	0800	1	0030	0010	0030	00.0	00.0	00.0				0800	0840
50257	0070	0090	0065	1	00.2	05.4	00.1	1	0850	0850	1	0020	0060	0020	00.0	03.2	00.0				0830	0830
50318	0055	0125	0060	1	00.1	03.0	00.1	1	0900	0900	1	0050	0060	0030	00.1	01.9	00.0				0890	0860
50333	0095	0045	0110	1	00.0	00.6	00.5	1	0700	0700	1	0190	0050	0160	00.0	01.0	00.0				0730	0760
54005	0085	0015	0065	1	00.0	00.0	00.0	1	1050	1050	1	0130	0020	0070	00.0	00.0	00.0				1050	1050
56017	0205	0840	0370	1	01.7	00.3	01.9	2	1050	1050	1	0380	1100	0420	00.2	00.7	01.1	0090	0190	0100	0880	0980
56020	0265	0270	0280	2	00.0	00.0	00.0	1	0700	0700	1	0330	0100	0130	00.0	00.0	00.0	0090	0160	0100	0680	0790
56029	0020	0055	0045	1	00.0	00.0	00.0	1	1250	1250	2	0060	0020	0020	00.0	00.0	00.0	0070	0110	0080	1030	1180
60004	0210	0115	0250	1	00.0	00.2	00.0	1	0850	0850	1	0360	0100	0280	00.0	00.4	00.0	0080	0180	0100	0800	0840
60050	0100	0030	0125	1	00.0	00.0	00.0	1	0750	0750	1	0200	0020	0080	00.0	00.0	00.0	0040	0265	0060	0720	0760
60053	0030	0025	0030	1	00.0	00.0	00.0	1	0800	0800	1	0160	0020	0090	00.0	00.0	00.0	0080	0140	0070	0680	0750
60056	0110	0060	0135	1	01.0	01.2	00.9	1	0900	0900	1	0100	0020	0050	00.0	00.0	00.0	0060	0140	0070	0700	0810
60123	0080	0050	0060	1	00.0	00.0	00.0	1	0800	0800	1	0320	0050	0240	00.0	00.0	00.0	0060	0140	0050	0530	0560
60129	0200	0095	0195	1	01.9	01.2	01.8	2	0800	0800	2	0200	0070	0160	00.4	00.4	00.9	0070	0150	0070	0720	0740
60179	0165	0110	0185	1	01.7	02.5	01.4	2	1000	1000	2	0100	0060	0090	00.0	00.0	00.1				0940	0930
60193	0055	0055	0095	1	00.0	00.0	00.0	1				0030	0020	0050	00.0	00.0	00.0				0930	0910
60197	0145	0165	0175	1	01.1	03.3	01.1	2	0900	0900	1	0130	0100	0100	01.7	02.8	00.3				0870	0930
60401	0105	0065	0370	1	00.4	00.6	00.1	1	0900	0900	1	0060	0030	0030	00.0	04.9	00.0				0870	0910
60450	0165	0170	0160	2	01.4	01.3	01.1	2	0900	0900	1	0040	0030	0040	00.0	00.0	00.0				0630	0670
60451	0020	0030	0010	1	00.0	00.0	00.0	1	1000	1000	1	0130	0030	0120	00.0	00.0	00.0				0830	0860
60503	0075	0065	0055	1	01.2	01.3	00.0	1	1150	1150	1	0020	0030	0030	00.0	00.7	00.0	0075	0120	0075	0930	0930
60547	0210	0150	0275	2	02.9	03.4	02.7	2				0520	0070	0230	02.2	00.0	02.4	0090	0230	0090	0650	0750
60549	0145	0115	0165	1	00.8	02.4	00.4	1	0900	0900	1	0080	0070	0030	00.0	01.9	00.0	0075	0140	0080	0650	0730
60586	0090	0010	0095	1	00.0	00.1	00.0	1	0850	0850	1	0030	0030	0030	00.0	00.0	00.0	0060	0160	0070	0720	0820
60594	0050	0020	0060	1	00.0	00.0	00.0	1	0750	0750	1	0130	0030	0110	00.0	00.0	00.0	0080	0130	0080	0750	0760
60663	0260	0205	0280	2	05.0	00.5	05.0	2	0800	0800	1	0250	0050	0210	02.8	00.1	02.5	0120	0220	0120	0750	0820
64015	0130	0025	0100	1	00.0	00.0	00.0	1	0750	0800	1	0170	0020	0100	00.0	00.0	00.0	0040	0160	0040	0700	0750
64048	0020	0065	0030	1	00.0	02.3	00.0	1	0950	0950	1	0050	0090	0030	00.0	02.1	00.0	0090	0220	0110	0750	0650
64055	0130	0075	0080	1	00.0	00.0	00.0	1	0950	0950	1	0150	0030	0130	00.0	00.0	00.0	0050	0120	0060	0760	0850
66022	0100	0045	0125	1	01.3	00.1	01.1	2	1000	1000	1	0130	0050	0110	00.3	00.7	00.5	0120	0210	0100	0880	0960
66033	0565	0920	0375	2	10.8	11.2	07.9	2	1600	1600	2	0800	1700	0760	09.9	09.9	09.9	0180	0190	0170	1220	1400
66039	0140	0085	0205	1	02.7	02.7	02.8	2	1000	1050	1	0160	0090	0170	00.5	00.9	00.7				0920	0980
66045	0390	0180	0310	2	04.2	00.7	04.5	2	0950	0950	1	0300	0090	0330	03.3	00.4	04.4	0120	0220	0140	0750	0830

APPENDIX C - IDLE TEST RESULTS

CELL NO=43 MODEL YR(S)=1975,1976

MAKE=CHEV MODEL=BELAIR IMPALA CAPRICE MALIBU WAGON

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50003	0095	0035	0095	1	00.0	00.0	00.0	1	0850	0850	1	0190	0010	0190	00.0	00.0	00.0	0050	0150	0100	0700	0750
50004	0040	0065	0050	1	00.0	00.4	00.1	1	1000	1000	1	0030	0030	0040	00.0	00.2	00.0	0100	0180	0160	0940	1080
50012	0140	0090	0160	1	00.7	00.8	01.2	1	0960	0960	1	0170	0080	0120	00.8	01.0	00.9	0090	0140	0100	1010	1030
50013	0025	0040	0035	1	00.1	00.9	00.0	1	1150	1200	1	0090	0060	0140	01.9	00.0	01.9	0080	0160	0060	0930	1080
50026	0035	0015	0040	1	00.0	00.0	00.0	1	0700	0700	1	0030	0010	0060	00.0	00.0	00.0	0060	0180	0070	0600	0630
50032	0125	0080	0160	1	00.6	00.5	00.7	1	0800	0800	1	0120	0020	0120	00.0	00.0	00.2	0010	0100	0060	0690	0810
50036	0120	0050	0120	1	00.5	00.0	00.0	1	0850	0850	1	0210	0030	0140	00.0	00.0	00.0	0070	0190	0080	0670	0710
50038	0045	0050	0060	1	00.0	00.8	00.0	1	0800	0800	1	0050	0040	0070	00.0	00.8	00.0	0090	0190	0100	0760	0760
50040	0065	0025	0035	1	00.1	00.0	00.0	1	1000	1000	1	0040	0020	0040	00.0	00.0	00.0	0080	0420	0100	0780	0830
50042	0065	0035	0055	1	00.0	00.4	00.0	1	0850	0850	1	0060	0020	0070	00.0	00.0	00.0	0100	0360	0100	0860	0900
50045	0130	0015	0140	1	00.0	00.1	00.0	1	0700	0700	1	0120	0020	0140	00.0	00.0	00.0	0150	0230	0120	0540	0580
50046	0085	0055	0085	1	02.5	01.0	01.5	2	0950	0950	1	0030	0030	0080	00.6	00.4	01.2	0120	0240	0140	0860	0900
50051	0090	0015	0095	1	00.0	00.1	00.0	1	0700	0700	1	0190	0030	0180	00.0	00.0	00.0	0050	0160	0040	0520	0540
50059	0045	0085	0080	1	00.0	02.8	00.0	1	0900	0900	1	0090	0080	0060	00.0	02.2	00.0	0060	0150	0070	0710	0710
50117	0845	0205	0665	2	07.8	02.2	07.4	2	0600	0600	1	0740	0170	0690	07.1	01.2	06.9				0620	0660
50118	0150	0090	0200	1	00.0	00.0	00.0	1	1000	1000	1	0960	0170	0930	00.1	00.2	00.1				0740	0730
50133	0280	0140	0330	1	03.8	03.3	04.0	2	0900	0900	1	0310	0120	0320	03.5	02.4	04.2				0810	0880
50153	0045	0050	0070	1	00.0	00.1	00.0	1	0850	0850	1	0060	0030	0040	00.0	00.0	00.0	0050	0120	0060	0800	0810
50171	0025	0010	0020	1	00.0	00.0	00.0	1	0900	0900	1	0030	0020	0030	00.0	00.0	00.0	0060	0260	0070	0800	0800
50184	0070	0030	0070	1	00.3	00.0	00.0	1	0750	0750	1	0060	0040	0050	00.0	00.0	00.0	0060	0150	0070	0670	0690
50187	0020	0040	0035	1	00.0	00.1	00.0	1	0850	0850	1	0600	0130	0270	00.1	00.2	00.0	0050	0140	0070	0740	0790
50259	0330	0200	0435	2	06.2	03.3	06.1	2	0900	0900	1	0330	0090	0260	04.9	02.4	04.8				0720	0820
50338	0145	0055	0150	1	00.0	00.5	00.0	1	0750	0750	1	0140	0030	0130	00.0	00.0	00.0				0610	0670
50349	0180	0060	0210	1	01.7	00.6	01.0	1	0800	0800	1	0100	0070	0080	00.1	00.6	00.1				0750	0780
50402	0130	0075	0100	1	01.5	00.1	01.0	1	0900	0900	1	0040	0030	0030	00.0	00.8	00.0	0060	0200	0100	0820	0820
54035	0025	0050	0040	1	00.0	02.1	00.0	1	0750	0750	1	0050	0030	0030	00.0	01.6	00.0	0090	0170	0100	0710	0750
56022	0110	0040	0115	1	01.8	00.1	01.7	2	0900	0900	1	0200	0060	0170	01.0	00.1	01.4	0090	0220	0090	0760	0850
60099	0015	0020	0030	1	00.0	00.1	00.0	1	1100	1100	1	0020	0020	0010	00.0	00.0	00.0	0080	0160	0090	0980	1010
60101	0025	0020	0095	1	00.0	00.0	00.0	1	0800	0800	1	0040	0020	0030	00.0	00.0	00.0	0090	0220	0100	0800	0830
60111	0115	0035	0115	1	01.0	00.0	00.6	1	0700	0700	1	0050	0020	0040	00.0	00.0	00.0	0050	0130	0060	0740	0770
60114	0280	0070	0470	2	05.4	00.5	05.8	2	1000	1000	1	0340	0040	0340	04.7	00.1	05.1	0100	0160	0100	0800	0840
60117	0150	0100	0170	1	02.2	01.9	02.2	2	1150	1150	1	0030	0060	0090	00.0	01.5	00.1	0070	0130	0050	0810	0930
60308	0280	0125	0300	2	03.3	02.6	03.2	2	0600	0600	1	0150	0050	0160	00.9	00.6	00.9				0760	0810
60341	0070	0090	0065	1	00.1	02.6	00.1	1	0800	0800	1	0080	0120	0050	00.0	03.1	00.0				0670	0750
60351	0105	0100	0130	1	00.0	00.1	00.0	1	0850	0800	1	0200	0030	0140	00.0	00.0	00.0				0740	0800
60423	0110	0060	0140	1	00.7	00.3	00.5	1	0900	0900	1	0100	0050	0040	00.0	00.6	00.0				0860	0950
60522	0160	0050	0160	1	00.0	00.0	00.0	1	0700	0700	1	0100	0020	0110	00.0	00.0	00.0	0060	0140	0050	0730	0760
60574	0080	0120	0045	1	00.1	01.0	00.2	1	0800	0800	1	0040	0020	0030	00.0	00.0	00.0	0100	0280	0130	0720	0730
60656	0100	0030	0120	1	00.1	00.6	00.1	1	0800	0800	1	0130	0030	0100	00.0	00.0	00.0	0080	0160	0100	0740	0820
60678	0240	0195	0305	2	04.1	05.1	04.1	2	0900	1000	1	0290	0100	0280	04.8	00.8	04.8	0120	0180	0120	0870	0910
66044	0500	0107	0230	1	02.3	00.8	02.0	2	0950	0950	1	0170	0030	0080	01.3	00.2	00.1	0090	0150	0100	0840	0920

APPENDIX C - IDLE TEST RESULTS

CELL NO=44 MODEL YR(S)=1976

MAKE=CHEV MODEL=MONZA NOVA CAMARO LT

	D E W IDLE TEST											H T S IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50523	0110	0070	0155	1	02.0	00.7	02.5	2	0900	0900	1	0130	0040	0120	01.6	00.0	01.4	0120	0230	0130	0870	0890
60006	0100	0050	0025	1	00.0	00.0	00.0	1	0850	0850	1	0090	0020	0120	00.0	00.0	00.0	0090	0590	0110	0800	0840
60008	0050	0140	0055	1	00.0	00.7	00.0	1	0800	0800	1	0080	0030	0030	00.0	00.0	00.0	0100	0150	0110	0730	0750
60016	0125	0070	0160	1	00.0	00.2	00.0	1	1100	1250	1	0100	0030	0060	00.0	00.0	00.0	0060	0120	0100	0980	1050
60032	0030	0032	0042	1	00.0	00.1	00.0	1	0800	0800	1	0100	0030	0130	00.0	00.0	00.0	0060	0160	0070	0730	0740
60035	0065	0035	0075	1	00.0	00.0	00.0	1	0800	0800	1	0070	0020	0050	00.0	00.0	00.0	0060	0160	0050	0650	0690
60048	0045	0025	0045	1	00.0	00.0	00.0	1	0800	0800	1	0040	0020	0040	00.0	00.0	00.0	0060	0160	0080	0750	0800
60055	0025	0020	0035	1	00.0	00.0	00.0	1	0850	0850	1	0050	0010	0020	00.0	00.0	00.0	0040	0145	0060	0760	0870
60058	0020	0020	0025	1	00.0	00.0	00.0	1	0900	0900	1	0090	0020	0050	00.0	00.0	00.0	0070	0220	0080	0750	0840
60063	0055	0035	0045	1	00.0	00.0	00.0	1	1150	1150	1	0290	0030	0080	00.0	00.0	00.0	0060	0240	0080	0920	1030
60068	0080	0055	0065	1	00.0	00.0	00.0	1	0900	0900	1	0090	0060	0060	00.0	00.0	00.0	0080	0290	0100	0860	0890
60079	0155	0090	0400	1	01.7	00.8	01.1	2	1000	1000	1	0240	0050	0110	00.1	00.0	00.1	0090	0200	0100	0980	1070
60110	0210	0035	0255	1	01.8	00.0	01.3	2	0900	0900	1	0200	0020	0120	00.4	00.0	00.1	0040	0120	0030	0940	0910
60116	0035	0025	0035	1	00.0	00.0	00.0	1	0900	0900	1	0090	0020	0060	00.0	00.0	00.0	0060	0140	0070	0770	0820
60132	0022	0085	0057	1	00.0	02.0	00.0	1	1250	1250	1	0030	0020	0030	00.0	00.0	00.0	0070	0260	0090	0820	0870
60136	0035	0020	0030	1	00.1	00.1	00.0	1	0950	0950	1	0080	0030	0070	00.0	00.0	00.0				0800	0840
60147	0230	0150	0240	2	02.0	00.7	02.1	2	1000	1000	1	0390	0160	0330	01.2	02.0	01.0	0070	0150	0070	0840	0890
60150	0050	0020	0045	1	00.0	00.0	00.0	1	0900	0900	1	0090	0030	0070	00.0	00.0	00.0	0030	0140	0040	0810	0820
60156	0090	0045	0085	1	00.1	00.0	00.1	1	0850	0850	1	0100	0050	0120	00.0	00.0	00.1	0080	0190	0060	0820	0810
60192	0360	0110	0420	2	05.7	01.5	04.7	2				0370	0160	0310	04.8	02.6	04.9	0070	0150	0070	1130	1170
60214	0080	0205	0085	1	00.0	04.3	00.0	1	0950	0950	1	0100	0120	0070	00.0	02.6	00.0	0060	0130	0060	0780	0850
60219	0045	0020	0050	1	00.0	00.0	00.0	1	0800	0800	1	0050	0030	0040	00.0	00.0	00.0	0060	0140	0070	0720	0740
60241	0170	0070	0175	1	01.9	00.0	01.1	2	0900	0900	1	0090	0080	0170	00.2	01.1	00.5				0900	0920
60310	0040	0045	0180	1	00.0	00.1	00.1	1	0900	0900	1	0050	0020	0030	00.0	00.0	00.0				0820	0930
60316	0060	0060	0085	1	00.0	00.0	00.0	1	1000	1000	1	0110	0060	0080	00.0	00.0	00.0				0950	1020
60318	0200	0105	0185	2	02.2	00.8	01.5	2	0950	0950	1	0160	0050	0190	00.6	00.0	01.0				0940	0970
60386	0275	0115	0270	2	06.8	01.8	06.1	2	0800	0800	1	0330	0120	0270	05.3	00.2	05.1				0790	0840
60414	0030	0025	0050	1	00.0	00.5	00.0	1	1000	1000	1	0060	0050	0140	00.0	00.1	00.0				0930	0890
60416	0190	0160	0340	1	02.7	01.0	03.0	2	0900	0900	1	0460	0100	0220	03.8	00.0	01.4				0730	0900
60471	0025	0030	0045	1	00.0	00.1	00.0	1	0950	0950	1	0020	0020	0030	00.0	00.1	00.0	0040	0070	0065	0740	0780
60489	0045	0040	0120	1	00.0	00.0	00.0	1	0950	0950	1	0030	0030	0020	00.0	00.0	00.0	0090	0140	0100	0900	1020
60497	0525	0120	0640	2	06.7	00.7	06.7	2	1050	1050	1	0550	0150	0510	05.7	00.6	05.8	0110	0200	0120	0940	0980
60550	0015	0015	0020	1	00.0	00.0	00.0	1	0750	0750	1	0060	0020	0040	00.0	00.0	00.0	0060	0300	0100	0600	0780
60552	0145	0090	0150	1	00.0	00.0	00.0	1	0800	0800	1	0230	0030	0150	00.0	00.0	00.0	0040	0150	0050	0610	0650
60575	0035	0040	0040	1	00.0	00.0	00.0	1	0700	0700	1	0310	0130	0220	00.2	00.1	00.1	0090	0280	0100	0750	0730
60665	0775	0120	0700	2	07.0	00.5	06.1	2	0800	0800	1	0610	0060	0580	04.4	00.0	04.4	0120	0210	0130	0880	0930
60712	0215	0190	0240	1	02.3	01.3	02.3	2	0750	0750	1	0340	0130	0290	01.9	00.0	01.9	0120	0200	0120	0670	0820
60716	0110	0130	0140	1	00.0	00.1	00.0	1	1050	1100	1	0020	0010	0030	00.0	00.0	00.0	0100	0220	0120	1060	1060
66025	0445	0140	0520	1	05.8	00.1	06.3	2	0900	0900	1	0660	0060	0390	06.8	00.3	05.9	0090	0160	0100	0730	0850
66035	0030	0040	0040	1	00.0	00.0	00.0	1	1300	1300	2	0080	0060	0090	00.0	00.0	00.0	0070	0310	0080	1180	1150

APPENDIX C - IDLE TEST RESULTS

CELL NO=45 MODEL YR(S)=1976

MAKE=CHEV MODEL=MALIBU MALIBU CLASSIC MONTE CARLO

	D E W IDLE TEST											H T S IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
60011	0065	0085	0065	1	00.0	00.0	00.0	1	0800	0800	1	0060	0020	0020	00.0	00.0	00.0	0070	0240	0100	0680	0790
60078	0160	0065	0140	1	00.8	00.5	00.8	1	1100	1100	1	0110	0040	0080	00.0	00.0	00.0	0110	0220	0110	0980	0980
60120	0365	0145	0455	2	04.5	01.2	04.2	2	1000	1000	1	0400	0150	0390	03.8	00.0	03.4	0080	0180	0080	0950	0910
60127	0240	0185	0260	2	02.1	02.6	01.9	2				0080	0030	0060	00.0	00.0	00.0				0790	0860
60157	0730	0060	0710	2	06.6	00.0	06.1	2	0900	0900	1	0730	0160	0680	05.8	00.6	05.9	0080	0150	0090	0810	0800
60160	0040	0045	0050	1	00.0	00.0	00.0	1	1000	1000	1	0020	0020	0020	00.0	00.0	00.0	0060	0150	0080	1040	1150
60167	0030	0045	0075	1	00.0	00.1	00.0	1				0090	0040	0040	00.0	00.0	00.0				0720	0780
60168	0055	0055	0050	1	00.0	00.1	00.0	1	0700	0700	1	0070	0050	0080	00.0	00.0	00.0				0860	0830
60215	0150	0050	0175	1	02.0	00.1	02.0	2	0950	0950	1	0170	0060	0160	00.9	00.0	01.6	0100	0250	0110	0770	0800
60222	0020	0020	0025	1	00.0	00.0	00.0	1	1000	1000	1	0020	0020	0020	00.0	00.0	00.0	0080	0170	0080	0870	0940
60233	0145	0040	0150	1	00.0	00.0	00.0	1	0800	0800	1	0210	0050	0170	00.0	00.0	00.0				0800	0810
60276	0095	0035	0050	1	00.5	00.0	00.0	1	0800	0800	1	0050	0020	0030	00.0	00.0	00.0				0650	0740
60277	0045	0035	0055	1	00.0	00.1	00.0	1	1000	1000	1	0060	0040	0060	00.0	00.0	00.0				0800	0870
60284	0045	0070	0065	1	00.0	01.0	00.0	1	0700	0700	1	0080	0050	0060	00.0	00.1	00.0				0770	0800
60329	0110	0065	0075	1	00.4	00.1	00.1	1	0850	0850	1	0050	0030	0040	00.0	00.0	00.0				0810	0860
60394	0025	0030	0030	1	00.0	00.4	00.0	1	0900	0900	1	0030	0040	0050	00.0	00.0	00.0				0800	0870
60411	0580	0280	0590	2	08.4	02.5	07.7	2	1100	1100	2	0730	0140	0610	08.1	00.1	07.1				0970	1070
60422	0400	0280	0340	2	00.0	00.1	00.0	1	1000	1000	1	0250	0160	0230	00.0	00.0	00.0				0920	1030
60429	0085	0030	0085	1	00.0	00.0	00.0	1	0900	0900	1	0080	0050	0060	00.0	00.8	00.0				0750	0830
60438	0060	0055	0065	1	00.0	00.0	00.0	1	0800	0800	1	0090	0060	0080	00.0	00.0	00.0				0740	0820
60446	0040	0030	0050	1	00.0	00.0	00.0	1	0850	0850	1	0170	0050	0110	00.0	00.0	00.0				0700	0680
60472	0025	0025	0030	1	00.0	00.1	00.0	1	1000	1000	1	0180	0090	0140	00.0	00.0	00.0	0060	0130	0060	0870	0940
60553	0155	0150	0145	1	02.5	02.1	02.0	2	0850	0900	1	0050	0030	0020	00.0	00.0	00.0	0070	0150	0080	0650	0720
60556	0025	0025	0035	1	00.0	00.0	00.0	1	0850	0850	1	0020	0020	0020	00.0	00.0	00.0	0090	0340	0100	0780	0840
60591	0050	0020	0055	1	00.0	00.0	00.0	1	0800	0800	1	0040	0020	0040	00.0	00.0	00.0	0080	0230	0080	0720	0770
60595	0025	0020	0025	1	00.0	00.0	00.0	1	0800	0800	1	0030	0020	0020	00.0	00.0	00.0	0070	0210	0080	0630	0690
60608	0360	0190	0380	2	01.7	00.5	01.6	2	1000	1000	1	0410	0060	0280	01.4	00.0	01.1	0060	0200	0070	0770	0890
60609	0030	0025	0030	1	00.0	00.0	00.0	1	0800	0800	1	0080	0040	0060	00.0	00.0	00.0	0120	0210	0100	0780	0770
60617	0310	0145	0345	2	02.0	01.0	01.8	2	0800	0800	1	0300	0080	0330	01.0	00.0	02.0	0080	0180	0090	0660	0870
60625	0030	0035	0025	1	00.0	01.2	00.0	1	1000	1000	1	0040	0020	0020	00.0	00.0	00.0	0060	0210	0090	0970	1020
60630	0175	0070	0060	1	00.3	00.1	00.0	1	0850	0850	1	0460	0090	0200	01.4	00.0	00.2	0060	0240	0040	0700	0830
60641	0095	0085	0110	1	00.0	00.8	00.0	1	0650	0650	1	0140	0020	0120	00.0	00.0	00.0	0060	0150	0090	0700	0720
60643	0080	0065	0100	1	00.0	00.0	00.0	1	0850	0850	1	0110	0020	0090	00.0	00.0	00.0	0060	0280	0090	0790	0830
60649	0015	0010	0020	1	00.0	00.0	00.0	1				0130	0030	0070	00.0	00.0	00.0	0060	0160	0070	0950	0960
60659	0090	0085	0080	1	00.0	00.0	00.0	1	1050	1050	1	0080	0060	0050	00.0	00.0	00.0	0060	0140	0080	0810	0930
66001	0270	0060	0200	2	03.0	00.0	02.3	2	0800	0800	1	0250	0050	0160	01.9	00.0	01.1				0750	0900
66023	0250	0020	0250	2	00.0	00.0	00.0	1	0800	0800	1	0510	0030	0370	00.0	00.0	00.0	0080	0200	0070	0730	0800

APPENDIX C - IDLE TEST RESULTS

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CELL NO=46    MODEL YR(S)=1976,1977
    MAKE=CHEV                         MODEL=CHEVETTE

        ---------D E Q    I D L E     T E S T----------  -------------H T S     I D L E     T E S T---------------
        --------HC------  --------CO------  ----RPM---   -----HC-------  -----CO-------  -----NOX------  --RPM---
EPA NO  1ST  2500 2ND  S  1ST  2500 2ND  S  1ST  2ND  S  1ST  2500 2ND  1ST  2500 2ND  1ST  2500 2ND  1ST  2ND

60083   0020 0025 0020 1 00.0 00.0 00.0 1 1200 1200 2  0020 0020 0020 00.0 00.0 00.0 0100 0240 0110 1130 1090
60094   0025 0035 0040 1 00.0 00.0 00.0 1 1100 1100 1  0030 0020 0030 00.0 00.0 00.0 0180 0350 0200 1070 1080
60100   0250 0250 0240 2 01.9 00.7 01.5 2 1400 1400 2  0140 0090 0090 00.5 00.2 00.5 0240 0400 0260 1290 1430
60171   0030 0060 0040 1 00.0 00.0 00.0 1              0040 0020 0030 00.0 00.0 00.0                1120 1130
60174   0235 0105 0280 2 01.8 00.2 01.9 2              0240 0080 0210 01.2 00.3 01.8                0900 0930

60176   0200 0130 0160 1 02.2 00.1 02.0 2 1100 1050 1  0170 0060 0180 00.5 00.1 00.6                1020 1010
60206   0270 0120 0350 2 05.7 00.6 04.9 2 0900 0900 1  0270 0050 0240 05.2 00.0 04.8 0110 0270 0120 0920 0940
60226   0085 0060 0085 1 00.5 00.1 00.4 1 1250 1250 2  0090 0020 0050 00.4 00.0 00.3 0130 0330 0060 1280 1270
60268   0100 0085 0080 1 01.3 01.7 00.8 1 0850 0850 1  0120 0030 0060 00.9 00.0 01.1                0990 1010
60274   0025 0030 0030 1 00.0 00.0 00.0 1 1200 1150 2  0060 0050 0050 00.0 00.0 00.0                0960 1080

60286   0015 0015 0020 1 00.0 00.0 00.0 1 1200 1200 2  0030 0020 0030 00.0 00.0 00.0                1080 1080
60345   0015 0025 0015 1 00.0 00.0 00.0 1 1050 1050 1  0020 0010 0020 00.0 00.0 00.0                0990 0990
60361   0350 0360 0200 1 00.4 00.0 00.1 1 1200 1150 1  0050 0030 0030 00.0 00.0 00.0                1070 1110
60367   0080 0060 0095 1 00.1 00.3 01.0 1 1000 1000 1  0040 0030 0070 00.0 00.0 00.7                1170 0950
60490   0080 0065 0105 1 01.3 00.2 01.4 1 1300 1300 2  0160 0080 0090 01.6 00.0 00.9 0100 0390 0140 0940 1290

60501   0135 0150 0135 1 02.3 01.5 02.5 2 1000 1000 1  0150 0090 0110 00.6 00.2 00.3 0120 0380 0100 1000 1000
60533   0065 0045 0040 1 00.0 00.0 00.0 1 0800 0800 1  0050 0020 0040 01.1 00.0 00.0 0080 0290 0100 1180 0870
60546   0040 0045 0040 1 00.0 00.0 00.0 1              0020 0020 0030 00.0 00.0 00.0 0080 0230 0100 0900 0900
60583   0095 0035 0090 1 01.3 00.0 01.1 1 1250 1250 2  0030 0030 0020 00.0 00.0 00.0 0190 0250 0200 1190 1210
60607   0120 0095 0140 1 02.2 00.1 02.3 2 1400 1400 2  0120 0030 0290 00.1 00.0 01.6 0080 0260 0130 0900 0910

60631   0225 0100 0335 2 02.0 00.5 01.7 2 0900 0900 1  0190 0060 0190 01.0 00.0 01.0 0070 0460 0070 0750 0750
60645   0745 0285 0750 2 10.4 00.7 10.0 2 0600 0600 1  0760 0180 0600 09.9 00.3 09.9 0140 0520 0140 0770 0710
60657   0225 0170 0240 1 03.3 00.4 03.0 2 0900 0950 1  0360 0080 0230 04.7 00.0 02.5 0100 0330 0100 0900 0930
60658   0050 0020 0045 1 00.1 00.0 00.1 1 0750 0750 1  0090 0040 0120 00.5 00.0 00.4 0100 0240 0100 1100 1130
60673   0105 0045 0075 1 01.7 00.1 01.6 2 1000 1000 1  0020 0020 0020 00.0 00.0 00.0 0140 0600 0200 0970 0810

60680   0225 0295 0250 2 05.1 05.5 05.5 2 0800 0800 1  0360 0380 0200 06.1 08.4 04.9 0100 0180 0110 0840 0840
60715   0030 0040 0030 1 00.0 00.1 00.0 1 1350 1350 1  0030 0020 0010 00.0 00.0 00.0 0160 0380 0160 1180 1200
60732   0290 0140 0300 2 08.2 02.4 08.1 2 0900 0900 1  0240 0120 0240 08.1 01.0 07.6 0160 0560 0140 1200 1200
64013   0025 0025 0035 1 00.0 00.0 00.0 1 1000 1000 1  0065 0040 0060 00.0 00.0 00.0 0060 0320 0140 0700 1060
70066   0110 0060 0040 1 00.6 00.1 00.0 1 1100 1100 1  0050 0020 0190 00.3 00.0 01.2 0040 0670 0070 1150 0840

70080   0015 0060 0030 1 00.0 00.6 00.0 1 1150 1150 1  0030 0020 0020 00.0 00.0 00.0                1060 1040
70228   0190 0070 0180 1 03.9 00.1 03.9 2 1000 1000 1  0200 0050 0160 02.5 00.0 01.9                0980 0980
70320   0075 0040 0085 1 01.3 00.2 01.4 1 1350 1350 2  0030 0030 0050 00.0 00.0 00.3                1160 1190
70330   0010 0015 0015 1 00.0 00.0 00.0 1 1000 1000 1  0020 0010 0030 00.0 00.0 00.0                0900 0960
70388   0220 0060 0130 1 03.1 00.2 02.7 2 0950 0950 1  0220 0090 0190 00.6 00.0 01.7                0960 1000

70400   0145 0035 0090 1 04.7 00.0 04.3 1 1600 1700 2  0340 0140 0140 06.8 00.6 04.8                1080 1550
70463   0190 0175 0195 1 02.8 00.2 03.9 2 1250 1250 2  0060 0090 0020 00.5 00.0 00.1 0045 0120 0040 0620 1060
```

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APPENDIX C - IDLE TEST RESULTS

```
CELL NO=47    MODEL YR(S)=1976,1977
    MAKE=CHEV                         MODEL=CHEVETTE

        ---------D E Q    I D L E     T E S T----------  -------------H T S     I D L E     T E S T---------------
        --------HC------  --------CO------  ----RPM---   -----HC-------  -----CO-------  -----NOX------  --RPM---
EPA NO  1ST  2500 2ND  S  1ST  2500 2ND  S  1ST  2ND  S  1ST  2500 2ND  1ST  2500 2ND  1ST  2500 2ND  1ST  2ND

60068   0065 0070 0105 1 00.0 00.1 00.0 1 0800 0800 1  0080 0050 0160 00.0 00.1 00.0 0120 0340 0080 1040 0800
60155   0100 0080 0150 1 02.2 01.7 03.7 2 0900 0900 1  0330 0120 0230 06.2 01.4 06.5                1060 1170
60177   0125 0035 0100 1 01.5 00.0 01.2 2 1100 1100 1  0050 0020 0050 00.0 00.0 00.0                1030 1020
60182   0020 0020 0035 1 00.0 00.5 00.0 1 1050 1050 1  0030 0020 0030 00.0 00.0 00.0                1260 1070
60198   0035 0040 0040 1 00.0 00.0 00.0 1 1050 1050 1  0020 0020 0030 00.0 00.0 00.0                1380 1050

60221   0185 0050 0170 1 03.2 00.0 02.7 2 0800 0800 1  0170 0050 0210 01.2 00.0 01.9 0090 0220 0080 0970 0830
60257   0110 0130 0130 2 01.0 03.9 01.1 2 1300 1300 2  0080 0060 0050 00.0 00.8 00.0                1090 1100
60258   0045 0035 0060 1 00.0 00.0 00.0 1 1000 1000 1  0060 0030 0020 00.0 00.0 00.0                1150 0990
60279   0125 0120 0140 1 02.2 02.2 01.9 1 1400 1400 2  0020 0020 0030 00.0 00.0 00.0                1100 1030
60300   0245 0165 0255 1 02.2 00.6 06.2 2              0160 0060 0240 03.4 00.1 06.6                0890 0750

60315   0300 0120 0305 2 05.7 00.6 06.1 2 0900 0900 1  0300 0060 0210 04.9 00.0 04.5                1010 0980
60326   0045 0015 0095 1 00.0 00.0 00.0 1 0800 0800 1  0030 0010 0030 00.0 00.0 00.0                0800 0820
60371   0180 0120 0200 2 03.3 01.2 02.9 2 1150 1100 2  0240 0060 0160 02.4 00.3 02.2                1030 1080
60377   0010 0020 0020 1 00.0 00.0 00.0 1 1000 1050 1  0040 0010 0030 00.0 00.0 00.0                1060 1020
60482   0010 0015 0025 1 00.0 00.0 00.0 1 0900 0900 1  0030 0020 0030 00.0 00.0 00.0 0100 0205 0090 0930 0840

60486   0085 0080 0205 1 01.0 00.4 00.7 1 1000 1000 1  0160 0070 0250 00.4 00.3 00.4 0120 0240 0140 1060 0950
60502   0150 0095 0210 2 05.2 00.5 06.1 2 1000 1000 1  0250 0040 0230 07.2 00.0 07.0 0080 0240 0100 0910 0950
60509   0050 0030 0015 1 00.7 00.0 00.1 1 1050 1050 1  0140 0070 0180 00.5 00.2 00.6 0120 0230 0100 0950 0890
60524   0045 0030 0045 1 00.0 00.0 00.0 1 0950 0950 1  0060 0020 0050 00.0 00.0 00.0 0080 0330 0060 0990 0880
60534   0050 0030 0025 1 00.2 00.0 00.0 1 1000 1000 1  0020 0020 0020 00.0 00.0 00.0 0120 0230 0130 0940 0960

60536   0045 0055 0055 1 00.0 00.0 00.0 1 1050 1050 1  0050 0030 0030 00.0 00.0 00.0 0110 0180 0100 1310 0930
60597   0125 0035 0135 1 01.5 01.1 01.8 1 1250 1250 2  0140 0060 0170 01.7 00.0 02.2 0160 0390 0140 1550 1350
60598   0010 0020 0015 1 00.0 00.2 00.0 1 0850 0900 1  0030 0020 0030 00.0 00.0 00.0 0120 0350 0120 0870 0840
60606   0235 0260 0235 2 02.5 02.9 01.7 2 1000 1000 1  0220 0090 0200 00.1 00.2 00.1 0080 0220 0100 0880 0890
60634   0020 0025 0020 1 00.3 00.1 00.1 1 0950 0950 1  0060 0020 0020 00.0 00.0 00.0 0120 0340 0130 0950 0890

60638   0160 0110 0150 1 04.6 00.3 04.4 2 1050 1050 1  0120 0020 0120 01.8 00.0 02.2 0120 0100 0120 1030 1030
60646   0050 0035 0050 1 00.4 00.2 00.7 1 0950 1000 1  0020 0010 0020 00.0 00.0 00.0 0110 0260 0110 1080 0860
60648   0115 0085 0190 1 01.2 00.6 01.3 2 1400 1400 2  0130 0040 0120 01.4 00.0 01.5 0090 0140 0060 1030 1040
60675   0225 0120 0285 1 06.4 00.2 07.0 2 1050 1050 1  0340 0170 0280 06.1 00.7 06.8 0120 0360 0140 1080 1120
60692   0035 0040 0055 1 00.0 00.0 00.0 1 1000 1000 1  0050 0020 0030 00.0 00.0 00.0 0060 0080 0040 0920 0950

60703   0230 0160 0340 2 03.6 06.1 03.2 2 1100 1100 1  0090 0030 0090 00.8 00.0 01.3 0150 0450 0140 1140 1150
60704   0050 0035 0050 1 00.0 00.0 00.0 1 0900 0900 1  0050 0010 0010 00.0 00.0 00.0 0140 0440 0060 1070 1010
64018   0165 0065 0095 1 00.7 00.0 00.3 1 0800 0800 1  0030 0020 0030 00.0 00.0 00.0 0100 0320 0040 0930 0770
70064   0030 0050 0040 1 00.0 00.0 00.0 1 1200 1200 2  0020 0020 0020 00.0 00.0 00.0 0110 0270 0130 1070 1100
70068   0115 0115 0130 1 01.5 00.0 01.4 2 1100 1100 1  0020 0070 0020 00.0 00.0 00.9 0120 0130 0080 1240 1010

70249   0015 0025 0025 1 00.0 00.0 00.0 1 0850 0850 1  0030 0020 0030 00.0 00.0 00.0                0860 0860
70339   0015 0015 0025 1 00.0 00.0 00.0 1 0850 0900 1  0030 0020 0040 00.0 00.0 00.0                0910 0920
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APPENDIX C - IDLE TEST RESULTS

CELL NO=48 MODEL YR(S)=1975,1976

MAKE=PONT MODEL=PONT GRAND AM LEMANS CATALINA GRAND PRIX BONNEVILLE

	D E W I D L E T E S T											H T S I D L E T E S T										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50053	0125	0045	0110	1	00.0	00.0	00.0	1	0800	0800	1	0170	0020	0100	00.0	00.0	00.0	0070	0250	0060	0790	0780
50057	0350	0205	0340	2	02.4	00.1	02.4	2	0750	0750	1	0700	0120	0600	00.6	00.2	02.3	0060	0210	0090	0650	0740
50064	0740	0200	0810	2	05.9	00.1	05.8	2	0900	0900	1	0820	0030	0800	03.6	00.0	06.3	0090	0180	0120	0780	0800
50106	0045	0040	0050	1	00.0	00.0	00.0	1	0800	0800	1	0080	0040	0060	00.0	00.0	00.0				0810	0810
50107	0175	0120	0170	2	01.7	00.4	01.3	2	1000	1000	1	0240	0140	0230	03.1	00.5	03.1				1140	1140
50123	0140	0070	0315	1	02.5	00.1	01.5	2	0700	0700	1	0160	0090	0140	00.8	00.2	01.1				0810	0840
50156	0480	0165	0445	2	02.0	01.0	02.1	2	1050	1050	1	0890	0200	0390	01.0	00.5	01.5	0050	0130	0060	0930	0990
50215	0235	0170	0380	2	02.7	02.1	02.6	2				0250	0110	0320	00.3	01.4	00.5				0950	1010
50228	0450	0180	0380	2	00.6	01.9	00.9	1	1000	1000	1	0560	0060	0460	00.6	00.3	00.7				0910	0900
50288	0220	0125	0415	2	03.0	02.1	04.0	2	0800	0800	1	0460	0160	0400	04.9	02.5	04.6				0830	0860
50295	0080	0060	0075	1	00.0	00.0	00.0	1	0800	0800	1	0080	0030	0080	00.0	00.0	00.0				0770	0820
50357	0445	0210	0515	2	04.5	02.5	04.2	2	0800	0800	1	0440	0120	0350	03.9	01.5	03.4				0580	0590
50424	0045	0075	0025	1	00.0	00.0	00.0	1	0800	0800	1	0100	0140	0070	00.0	00.0	00.0	0125	0150	0110	1220	1250
50440	0405	0135	0500	2	05.1	00.9	04.0	2	0400	0500	1	0340	0040	0250	04.9	00.2	04.4	0120	0200	0100	0580	0620
50467	0250	0070	0300	2	03.9	00.1	03.9	2	0950	0950	1	0490	0100	0290	01.2	00.0	03.5	0080	0280	0100	0840	0890
50555	0090	0030	0145	1	00.0	00.1	00.2	1	0800	0800	1	0090	0040	0080	00.0	00.0	00.0	0050	0300	0040	0870	0880
50562	0240	0090	0135	1	01.4	01.6	01.2	2	0600	0600	1	0900	0080	0560	00.6	00.7	00.2	0100	0300	0100	1020	0970
60065	0570	0115	0500	2	04.7	00.0	04.4	2	0900	0900	1	0730	0170	0600	05.5	00.0	05.1	0110	0240	0120	0800	0820
60086	0340	0090	0410	2	03.8	00.7	04.0	2	0750	0750	1	0500	0040	0400	03.3	00.0	03.4	0090	0440	0100	0710	0740
60087	0875	0375	1000	2	05.8	03.9	05.7	2	0650	0650	2	1080	0170	1050	06.5	00.1	06.9	0100	0190	0110	0620	0650
60096	0155	0125	0195	1	02.5	01.6	02.5	2	0900	0900	1	0550	0110	0230	00.4	01.6	00.2	0080	0180	0080	0720	0740
60104	0065	0040	0065	1	00.0	00.0	00.0	1	0700	0700	1	0140	0020	0070	00.1	00.0	00.0	0100	0220	0100	0760	0770
60112	0205	0215	0120	1	01.5	01.5	01.1	2	0900	0900	1	0300	0030	0240	02.3	00.0	00.5				0850	0860
60216	0560	0160	0465	2	00.6	00.1	00.7	1	0950	0950	1	0400	0050	0320	00.1	00.0	00.1	0060	0190	0070	0770	0880
60263	0095	0035	0050	1	00.0	00.6	00.0	1	0800	0800	1	0050	0050	0070	00.0	01.0	00.3				0780	0840
60313	0040	0020	0045	1	00.0	00.0	00.0	1	0950	1000	1	0050	0020	0040	00.0	00.0	00.0				0920	0940
60349	0500	0250	0480	2	00.5	00.0	01.0	1	0800	0800	1	0630	0120	0530	00.3	00.0	00.3				0810	0850
60360	0130	0060	0180	1	02.9	00.2	02.8	2	0600	0600	1	0290	0110	0300	03.2	00.9	01.8				0620	0630
60363	0590	0255	0745	2	05.2	01.2	05.1	2	0950	0950	1	0570	0130	0610	04.8	00.1	05.4				0750	0780
60437	0740	0735	0700	2	04.1	00.4	04.0	2	0700	0700	1	0940	0100	0750	05.6	00.1	05.0				0620	0630
60465	0030	0025	0030	1	00.0	00.0	00.0	1	0950	1000	1	0270	0060	0170	00.1	00.2	00.0	0110	0240	0100	0760	0780
60517	0175	0165	0200	2	03.1	02.2	02.2	2	1000	1000	1	0200	0050	0160	01.9	00.0	01.9	0090	0150	0100	0930	0970
60602	0195	0100	0195	1	03.6	01.9	03.7	1	1200	1200	2	0190	0050	0190	01.6	00.6	02.5	0120	0190	0140	1150	1210
60613	0040	0030	0035	1	00.0	00.0	00.0	1	0750	0750	1	0060	0020	0050	00.0	00.0	00.0	0060	0160	0080	0700	0740
60618	0055	0065	0090	1	00.8	01.7	01.1	1	0850	0850	1	0150	0030	0080	00.3	00.6	00.2	0080	0130	0070	0670	0700
60620	0275	0105	0295	2	03.1	00.6	02.4	2	0850	0850	1	0250	0030	0230	02.2	00.0	02.1	0110	0180	0120	0870	0860
60623	0015	0000	0015	1	00.0	00.0	00.0	1	0800	0800	1	0060	0010	0030	00.5	00.0	00.5	0060	0160	0050	0700	0700
60669	0275	0100	0310	2	03.6	00.1	03.4	2	0800	0800	1	0490	0120	0440	06.1	00.0	06.5	0120	0200	0120	0810	0800
60686	0630	0170	0645	2	00.1	00.0	00.3	1	0700	0750	1	0230	0030	0220	01.6	00.0	00.7	0110	0260	0100	0760	0780

APPENDIX C - IDLE TEST RESULTS

CELL NO=49 MODEL YR(S)=1975,1976

MAKE=BUICK OLDS MODEL=CUTLASS WAGON LASABRE OLDS 88 CENTURY WAGON REGAL

	D E W I D L E T E S T											H T S I D L E T E S T										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50058	0025	0075	0045	1	00.0	00.0	00.0	1	0650	0700	1	0220	0130	0110	00.0	00.0	00.0	0050	0150	0070	0580	0590
50061	0390	0350	0320	2	00.0	00.0	00.0	1	0700	0700	1	0420	0170	0270	00.0	00.0	00.0	0030	0120	0020	0610	0600
50099	0060	0030	0080	1	00.0	00.1	00.0	1	0800	0800	1	0050	0020	0030	00.0	00.0	00.0	0070	0090	0040	0800	0790
50137	0020	0040	0025	1	00.0	00.0	00.0	1	0750	0750	1	0020	0080	0020	00.0	00.0	00.0	0070	0140	0040	0660	0690
50176	0040	0025	0035	1	00.5	00.0	00.3	1	0760	0750	1	0040	0020	0050	00.0	00.0	00.6	0070	0150	0090	0780	0800
50194	0020	0035	0028	1	00.0	00.0	00.0	1	0750	0750	1	0050	0170	0030	00.0	00.0	00.0				0670	0720
50355	0100	0075	0095	1	00.0	00.1	00.0	1	0700	0700	1	0110	0040	0090	00.0	00.0	00.0				0730	0740
50383	0040	0045	0055	1	00.0	00.0	00.0	1	0900	0900	1	0050	0030	0030	00.0	00.0	00.0	0075	0130	0090	0840	0860
50441	0030	0035	0055	1	00.1	00.1	00.1	1	0750	0750	1	0060	0030	0030	00.1	00.3	00.1	0065	0110	0085	0750	0750
50531	0035	0155	0275	1	00.0	00.0	00.0	1	0750	0750	1	0170	0090	0120	00.0	00.0	00.0	0070	0160	0100	0650	0700
50537	0645	0635	0700	2	03.3	00.1	03.6	2				0710	0490	0800	03.6	00.1	04.0	0110	0140	0100	0760	0710
54012	0045	0025	0035	1	00.0	00.0	00.0	1	0750	0750	1	0210	0020	0160	00.0	00.0	00.0	0080	0300	0100	0760	0780
56023	0400	0585	0440	2	00.5	00.0	01.5	1	0900	0900	1	0200	0270	0080	00.0	00.0	00.0	0050	0130	0050	0820	0770
60024	0055	0035	0130	1	00.0	00.0	00.0	1	0900	0900	1	0130	0020	0060	00.0	00.0	00.0	0065	0200	0080	0700	0710
60033	0045	0135	0055	1	00.0	00.0	00.0	1	1050	1050	1	0030	0010	0020	00.0	00.0	00.0	0080	0300	0100	0960	0950
60090	0030	1695	0040	1	00.0	07.0	00.0	1	0800	0800	1	0060	0030	0050	00.0	00.0	00.0	0060	0130	0070	0780	0800
60091	0025	0045	0035	1	00.0	00.0	00.0	1	0800	0800	1	0030	0020	0040	00.0	00.0	00.0	0080	0200	0080	0750	0750
60109	0045	0135	0085	1	00.0	00.0	00.0	1	0850	0850	1	0030	0070	0020	00.2	00.0	00.0	0080	0180	0080	0780	0800
60158	0120	0090	0100	1	00.0	00.0	00.0	1	0750	0750	1	0060	0030	0080	00.3	00.1	00.0	0060	0130	0080	0730	0750
60161	0650	0240	0705	2	02.9	00.1	03.0	2	0600	0650	1	0930	0080	0930	03.3	00.0	05.3				0580	0670
60229	0315	0110	0390	2	03.1	00.7	03.4	2	0850	0900	1	0400	0140	0450	02.8	00.1	02.7	0080	0160	0080	0810	0790
60314	0030	0060	0150	1	00.0	00.1	00.0	1	0700	0700	1	0080	0070	0100	00.0	00.0	00.6				0680	0700
60320	0080	0025	0110	1	00.0	00.0	00.0	1	0950	0950	1	0090	0030	0060	00.0	00.0	00.0				0890	0890
60321	0035	0025	0050	1	00.0	00.5	00.0	1	0950	0950	1	0060	0010	0050	00.0	00.0	00.0				0780	0840
60335	0240	0090	0305	2	02.3	00.1	02.4	2	0850	0850	1	0380	0100	0570	00.1	00.5	00.3				0760	0780
60355	0190	0070	0180	1	00.0	00.0	00.0	1	0700	0700	1	0250	0050	0350	00.0	00.0	00.0				0700	0720
60362	0030	0060	0055	1	00.0	01.4	00.0	1	0850	0850	1	0040	0050	0060	00.0	00.8	00.0				0810	0860
60421	0290	0150	0230	2	00.0	00.0	00.0	1	0700	0700	1	0190	0190	0140	00.0	00.0	00.0				0720	0710
60427	0024	0030	0020	1	00.0	00.1	00.2	1	0800	0800	1	0060	0050	0050	00.0	00.8	00.0				0720	0790
60473	0025	0040	0030	1	00.0	00.0	00.0	1	0800	0800	1	0150	0090	0070	00.0	00.2	00.0	0060	0130	0070	0710	0700
60478	0095	0010	0160	1	00.9	00.7	00.4	1	0850	0850	1	0100	0030	0060	00.9	00.0	00.6	0100	0220	0090	0810	0860
60683	0065	0195	0360	1	00.4	00.0	01.4	1	0950	0950	1	0090	0170	0210	00.7	00.0	00.4	0060	0200	0060	0850	0830
60696	0490	0870	0580	2	00.1	00.4	00.1	1	0800	0800	1	0080	0540	0050	00.0	00.0	00.0	0080	0350	0100	0740	0790
60705	0020	0020	0030	1	00.0	00.0	00.0	1	0700	0700	1	0110	0010	0020	00.0	00.0	00.0	0120	0300	0120	0700	0750
60708	0450	0420	0630	2	03.9	00.1	04.6	2	0800	0800	1	0670	0510	0600	04.1	00.1	04.7	0140	0300	0140	0790	0790
64043	0050	0050	0045	1	00.0	00.0	00.0	1	0700	0700	1	0040	0020	0020	00.0	00.0	00.0	0060	0090	0070	0750	0790
64054	0165	0140	0120	1	00.0	00.0	00.0	1	0800	0800	1	0130	0080	0080	00.0	00.0	00.0	0080	0130	0070	0800	0880
64058	0135	0130	0140	1	05.5	02.0	05.5	1	0800	0800	1	0140	0030	0210	00.0	00.0	00.0	0080	0180	0080	0770	0770
66019	0400	0100	0345	2	01.0	00.1	01.5	2	0900	0900	1	0540	0050	0030	00.4	00.0	00.0	0050	0180	0090	0750	0780

APPENDIX C - IDLE TEST RESULTS

CELL NO=50   MODEL YR(S)=1975,1976

MAKE=PONT OLDS BUICK   MODEL=LASABRE ELECTRA RIVIERA 98 CSTM CRUISER ESTATE WAGON PONT

	D E W I D L E T E S T											H T S I D L E T E S T										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50074	0060	0070	0065	1	00.0	00.0	00.0	1	0900	0900	1	0070	0080	0050	00.0	00.0	00.0				0750	0800
50147	0020	0100	0100	1	00.0	00.7	00.0	1	0800	0800	1	0020	0060	0020	00.0	00.8	00.0	0070	0140	0080	0710	0760
50182	0040	0025	0045	1	00.7	00.0	00.6	1	0700	0700	1	0050	0030	0040	00.0	01.7	00.0	0070	0290	0070	0680	0710
50190	0395	0100	0445	2	06.2	01.5	06.1	2	0500	0500	1	0400	0100	0390	05.9	00.8	06.2	0080	0310	0090	0540	0550
50241	0105	0125	0130	1	02.3	01.7	02.2	2	0700	0700	1	0100	0090	0130	02.4	02.7	04.5				0700	0760
50247	0175	0065	0170	1	00.0	00.2	00.0	1	0500	0500	1	0240	0080	0170	00.0	00.0	00.0				0480	0490
50317	0075	0065	0150	1	00.0	00.1	00.0	1	0650	0650	1	0170	0080	0140	00.0	00.0	00.0				0670	0720
50346	0040	0040	0050	1	00.1	00.1	00.1	1	0750	0750	1	0220	0090	0170	00.0	00.7	00.0				0610	0630
50396	0025	0035	0030	1	00.0	00.0	00.0	1	0950	0950	1	0060	0030	0050	00.1	00.0	00.0	0080	0240	0080	0860	0910
50456	0060	0045	0065	1	01.0	00.0	00.8	1	0900	0950	1	0030	0030	0030	00.1	00.0	00.0	0080	0160	0080	0870	0910
50465	0160	0090	0100	1	00.0	00.1	00.0	1	0800	0800	1	0060	0200	0060	00.0	00.1	00.0	0060	0200	0080	0680	0710
50466	0020	0055	0030	1	00.0	00.0	00.0	1	0750	0750	1	0070	0020	0020	00.0	00.0	00.0	0060	0120	0060	0650	0710
50491	0120	0070	0210	1	02.9	01.4	02.6	2	0650	0650	1	0140	0040	0130	02.9	00.5	02.3	0120	0320	0120	0660	0680
50515	0045	0045	0040	1	00.0	00.0	00.0	1	0700	0700	1	0190	0160	0290	00.8	00.6	00.1	0100	0160	0100	0700	0690
50535	0370	0115	0405	2	03.4	00.6	03.5	2	0825	0800	1	0440	0050	0570	02.6	00.3	04.1	0100	0320	0120	0730	0700
50549	0140	0090	0160	1	00.0	00.0	00.0	1	0625	0625	1	0170	0030	0100	00.0	00.0	00.0	0040	0160	0060	0560	0600
50557	0220	0100	0210	1	00.1	00.0	00.1	1	0650	0600	1	0300	0050	0230	00.0	00.0	00.0	0050	0130	0060	0540	0620
50563	0110	0100	0070	1	00.0	00.2	00.0	1	0650	0700	1	0090	0010	0060	00.0	00.0	00.0	0080	0150	0090	0810	0800
54011	0100	0215	0125	1	00.0	00.0	00.0	1	0750	0750	1	0060	0070	0090	00.0	00.0	00.0				0610	0710
56019	0150	0050	0165	1	03.4	00.0	03.0	2	0500	0500	1	0140	0020	0140	01.4	00.0	02.5	0120	0160	0120	0600	0620
60119	0010	0015	0060	1	00.0	00.0	00.0	1	0750	0750	1	0020	0020	0020	00.0	00.0	00.0	0050	0460	0050	0600	0600
60124	0015	0020	0020	1	00.0	00.0	00.0	1	0750	0750	1	0030	0010	0010	00.0	00.0	00.0	0080	0140	0070	0690	0740
60152	0025	0100	0095	1	00.0	01.7	00.0	1	1200	1100	1	0030	0090	0030	00.0	01.5	00.0	0070	0090	0060	1080	1140
60154	0020	0110	0090	1	00.1	04.3	00.7	1	0750	0750	1	0080	0100	0080	01.0	03.1	00.2	0070	0100	0060	0700	0690
60166	0040	0040	0035	1	00.0	00.5	00.0	1				0160	0050	0110	00.0	00.0	00.0				0470	0490
60224	0250	0065	0230	2	02.3	00.0	02.4	2	0700	0700	1	0460	0090	0400	02.6	01.2	00.8	0090	0130	0070	0680	0690
60296	0140	0110	0160	1	02.8	02.2	02.1	2	0800	0800	1	0310	0090	0290	02.1	00.6	02.8				0670	0720
60331	0100	0045	0140	1	00.0	00.0	00.0	1	0800	0800	1	0150	0050	0130	00.0	00.0	00.0				0730	0750
60369	0410	0110	0515	2	04.5	00.8	03.8	2	0550	0550	1	0580	0090	0490	05.0	00.3	04.9				0560	0620
60384	0025	0080	0050	1	00.0	01.0	00.0	1	0700	0700	1	0040	0030	0030	00.0	00.0	00.0				0730	0790
60443	0065	0135	0070	1	00.0	02.7	00.0	1	0800	0800	1	0070	0060	0070	00.0	00.0	00.0				0750	0760
60477	0045	0110	0195	1	00.0	00.2	00.0	1	0700	0700	1	0090	0030	0070	00.0	00.0	00.0	0060	0140	0070	0720	0750
60515	0060	0150	0090	1	00.2	00.9	00.0	1	0750	0750	1	0030	0030	0020	00.0	00.6	00.0	0070	0110	0080	0710	0740
60726	0020	0020	0020	1	00.0	00.0	00.0	1	0750	0750	1	0030	0030	0030	00.0	00.0	00.0	0100	0210	0100	0730	0800
64011	0020	0065	0030	1	00.0	00.1	00.0	1	0700	0700	1	0020	0010	0020	00.0	00.0	00.0	0080	0150	0090	0600	0660
66020	0190	0090	0210	1	01.6	00.9	01.7	2	0800	0800	1	0230	0030	0160	00.7	00.0	01.5	0080	0220	0090	0750	0790

APPENDIX C - IDLE TEST RESULTS

CELL NO=51   MODEL YR(S)=1975,1976

MAKE=BUICK   MODEL=CENTURY SKYLARK APOLLO REGAL

	D E W I D L E T E S T											H T S I D L E T E S T										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50085	0025	0040	0030	1	00.0	00.0	00.0	1	1000	1000	1	0010	0040	0010	00.0	00.0	00.0	0100	0110	0090	0980	0980
50087	0030	0035	0055	1	00.0	00.0	00.0	1	0850	0850	1	0040	0020	0060	00.0	00.0	00.0				0690	0750
50088	0145	0060	0190	1	04.6	00.0	04.8	2	1000	1000	1	0170	0020	0170	02.7	00.0	03.7				0900	0940
50096	0300	0190	0300	2	08.4	02.6	07.6	2	0800	0800	1	0300	0190	0330	06.8	01.8	07.9	0090	0280	0090	0890	0840
50114	0195	0165	0140	1	03.8	00.0	03.6	2	1150	1150	1	0160	0100	0150	03.7	00.0	04.0				1120	1150
50125	0100	0080	0100	1	02.6	01.3	02.5	2	0900	0900	1	0140	0050	0100	01.3	00.0	01.5	0100	0240	0100	0870	0930
50195	0070	0040	0075	1	00.0	00.0	00.0	1	0850	0850	1	0080	0030	0070	00.0	00.0	00.0				0870	0920
50201	0020	0035	0025	1	00.0	00.0	00.0	1				0040	0010	0030	00.0	00.0	00.0				0720	0790
50283	0150	0090	0260	2	05.4	00.8	06.2	2	0800	0800	1	0350	0150	0260	05.6	00.3	05.2				0700	0780
50290	0060	0085	0140	1	01.6	00.2	01.5	2	1400	1400	2	0040	0020	0060	00.3	00.0	01.2				1210	1300
50310	0080	0040	0085	1	02.4	00.7	02.2	2	1200	1200	2	0080	0030	0050	00.0	00.0	00.1				1020	1140
50332	0105	0050	0100	1	02.1	00.1	01.6	2	0950	1000	1	0120	0030	0080	05.5	00.0	01.8				0900	0900
50386	0055	0055	0050	1	00.0	00.0	00.0	1	1000	1000	1	0100	0030	0120	00.0	00.0	00.0	0100	0170	0090	0840	0910
60015	0075	0040	0095	1	00.4	00.1	00.8	1	0800	0800	1	0080	0040	0100	00.1	00.4	00.7	0090	0160	0110	0690	0800
60021	0085	0050	0105	1	00.7	00.1	01.0	1	0950	0900	1	0160	0030	0130	01.8	00.0	01.9	0100	0590	0120	0580	0670
60022	0020	0025	0030	1	00.0	00.0	00.0	1	0950	0950	1	0050	0030	0030	00.0	00.0	00.0	0070	0180	0080	0700	0820
60030	0050	0055	0035	1	00.1	00.0	00.1	1	0800	0800	1	0050	0030	0020	00.0	00.0	00.0	0070	0120	0080	0700	0760
60046	0125	0050	0135	1	01.6	00.1	01.8	1	0800	0800	1	0130	0030	0140	00.3	00.1	01.3	0050	0140	0080	0740	0780
60077	0025	0030	0045	1	00.0	00.0	00.6	1	0900	0900	1	0040	0020	0030	00.0	00.0	00.0	0080	0210	0100	0760	0830
60146	0125	0090	0170	1	00.0	00.0	00.0	1	0800	0800	1	0100	0020	0070	00.0	00.0	00.0	0050	0170	0050	0750	0770
60227	0150	0060	0500	1	02.4	00.0	02.8	2	0700	0700	1	0170	0040	0300	02.1	00.0	01.5				0520	0520
60337	0010	0030	0040	1	00.0	00.0	00.0	1	0900	0900	1	0020	0020	0020	00.0	00.0	00.0				0820	0900
60338	0030	0020	0030	1	00.0	00.1	00.0	1	0800	0800	1	0020	0020	0030	00.0	00.0	00.0				0810	0860
60373	0050	0040	0045	1	00.1	00.0	00.1	1	0850	0850	1	0060	0050	0060	00.0	00.0	00.0				0780	0790
60399	0240	0200	0250	2	08.0	03.7	08.5	2	0900	0900	1	0220	0130	0290	06.9	00.5	07.4				1020	1010
60460	0070	0110	0070	1	00.0	00.0	00.0	1	1000	1000	1	0120	0120	0080	00.0	00.0	00.0	0080	0180	0080	0930	0780
60468	0020	0030	0055	1	00.0	00.0	00.0	1	0850	0850	1	0050	0020	0030	00.0	00.0	00.0	0060	0230	0080	0700	0780
60531	0225	0180	0195	1	05.6	00.4	05.2	2	0800	0800	1	0230	0050	0200	05.0	00.0	04.4	0095	0300	0100	0800	0870
60551	0020	0035	0160	1	00.0	00.0	00.9	1	0850	0850	1	0020	0020	0020	00.0	00.0	00.0	0050	0180	0060	0710	0760
60557	0010	0005	0010	1	00.0	00.0	00.0	1	0800	0800	1	0030	0020	0030	00.0	00.0	00.0	0070	0140	0080	0800	0790
60559	0200	0180	0180	1	01.8	00.4	00.7	1	0700	0700	1	0050	0030	0050	00.0	00.0	00.0	0060	0130	0080	0650	0650
60615	0175	0175	0195	2	03.0	02.6	03.0	2	0800	0800	1	0170	0140	0170	02.2	02.8	02.3	0070	0340	0080	0800	0830
60616	0015	0025	0020	1	00.0	00.0	00.0	1	0750	0750	1	0030	0030	0030	00.0	00.0	00.0	0050	0220	0090	0700	0770
60626	0170	0125	0200	1	03.5	00.9	03.8	1	1150	1150	2	0230	0080	0240	03.1	00.5	03.2	0110	0540	0110	0840	0880
60697	0070	0100	0060	1	00.0	00.0	00.0	1	1000	1000	1	0020	0180	0020	00.0	00.0	00.0	0080	0240	0110	0730	1080
60698	0600	0090	0655	2	05.6	00.0	06.1	2	1200	1200	2	0660	0240	0640	03.3	00.0	03.7	0120	0180	0110	1190	1200
60701	0140	0165	0200	1	02.9	00.9	02.3	2	0650	0650	1	0140	0060	0230	02.0	00.3	02.8	0100	0760	0100	0830	0680
64060	0030	0020	0025	1	00.0	01.0	00.0	1	0700	0700	1	0130	0250	0150	00.0	00.0	00.0	0070	0830	0100	0780	0840
66024	0145	0100	0155	1	02.4	00.6	02.4	2	1050	1050	1	0090	0030	0100	00.4	00.1	01.7	0060	0560	0080	0880	1010
66029	0100	0075	0110	1	01.1	00.1	01.2	2	0900	0900	1	0060	0030	0030	00.0	00.0	00.0	0080	0120	0060	0770	0820

APPENDIX C - IDLE TEST RESULTS

CELL NO=52 MODEL YR(S)=1976,1977

MAKE=CADILLAC MODEL=SEVILLE

	D E G	I D L E	T E S T									H T S	I D L E	T E S T								
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
60020	0040	0035	0050	1	00.0	00.0	00.0	1	0850	0850	1	0180	0050	0130	00.0	00.0	00.0	0050	0130	0070	0980	1000
60025	0010	0030	0015	1	00.0	00.0	00.0	1	0850	0850	1	0070	0030	0080	00.0	00.0	00.0	0005	0080	0010	0770	0810
60137	0020	0040	0055	1	00.0	00.0	00.0	1	0700	0700	1	0050	0040	0040	00.0	00.0	00.0	0050	0150	0060	0640	0640
60139	0700	0305	0895	2	00.1	00.1	00.1	1	0900	0900	1	0460	0160	0380	00.0	00.1	00.0	0060	0150	0070	0820	0810
60178	0055	0045	0065	1	00.0	00.0	00.0	1	0600	0600	1	0080	0070	0110	00.0	00.0	00.0				0640	0660
60194	0035	0090	0060	1	00.0	00.0	00.0	1	0780	0780	1	0020	0040	0060	00.0	00.0	00.0				0750	0760
60272	0055	0100	0055	1	00.0	00.0	00.0	1	0600	0600	1	0060	0050	0080	00.0	00.0	00.0				0650	0630
60309	0320	0140	0260	2	00.0	00.0	00.0	1	0900	0900	1	0200	0130	0210	00.0	00.0	00.0				0960	0970
60404	0055	0145	0125	1	00.0	00.0	00.0	1	0700	0700	1	0280	0100	0160	00.0	00.0	00.0				0790	0780
60424	0050	0040	0050	1	00.0	00.0	00.0	1	0650	0650	1	0090	0100	0100	00.0	00.0	00.0				0880	0870
60426	0034	0024	0035	1	00.0	00.0	00.0	1	0600	0600	1	0200	0100	0130	00.0	00.0	00.0				0820	0650
60454	0060	0050	0045	1	00.0	00.0	00.0	1	0750	0750	1	0030	0020	0030	00.0	00.0	00.0				0750	0760
60459	0025	0030	0035	1	00.0	00.0	00.0	1	0800	0800	1	0050	0040	0050	00.0	00.0	00.0	0060	0140	0080	0720	0740
60465	0035	0060	0100	1	00.0	00.0	01.0	1	0650	0650	1	0060	0120	0100	00.0	00.0	00.0	0050	0130	0060	0700	0710
60494	0045	0055	0075	1	00.0	00.0	00.0	1	0900	0900	1	0110	0060	0130	00.0	00.0	00.0	0080	0150	0080	1070	1000
60555	0150	0250	0160	1	00.0	00.0	00.0	1	0800	0800	1	0180	0240	0170	00.0	00.0	00.0	0040	0080	0050	0710	0720
60651	0055	0040	0080	1	00.0	00.0	00.0	1	0600	0650	1	0070	0040	0100	00.0	00.0	00.0	0080	0220	0100	0770	0770
60689	0120	0090	0100	1	00.0	00.0	00.0	1				0160	0110	0160	00.0	00.0	00.0	0080	0170	0090	0680	0700
60721	0090	0045	0100	1	00.0	00.0	00.0	1	0800	0800	1	0100	0060	0130	00.0	00.0	00.0	0080	0240	0090	0830	0840
64003	0070	0060	0070	1	00.0	00.0	00.0	1	0600	0600	1	0140	0050	0100	00.0	00.0	00.0	0090	0200	0100	0840	0510
64025	0120	0220	0120	1	00.0	00.0	00.0	1	0700	0700	1	0160	0160	0100	00.0	00.0	00.0	0090	0140	0090	0750	0730
70166	0030	0040	0065	1	00.0	00.0	00.0	1	0800	0800	1	0060	0020	0080	00.0	00.0	00.0	0060	0130	0070	0930	0910
70176	0100	0055	0105	1	00.0	00.0	00.0	1	0900	0900	1	0120	0020	0100	00.0	00.0	00.0	0040	0030	0050	0900	0880
70231	0035	0055	0045	1	00.0	00.1	00.0	1	0450	0450	1	0030	0020	0020	00.0	00.0	00.0				0560	0530
70234	0040	0020	0075	1	00.0	00.0	00.0	1	1300	1300	2	0080	0030	0110	00.0	00.0	00.0				1200	1200
70240	0025	0035	0030	1	00.0	00.0	00.0	1	0550	0550	1	0050	0020	0060	00.0	00.0	00.0				0640	0660
70253	0020	0030	0035	1	00.0	00.0	00.0	1	0650	0650	1	0080	0040	0090	00.0	00.0	00.0				0820	0800
70260	0080	0110	0080	1	00.0	00.0	00.0	1	1000	1000	1	0140	0120	0160	00.0	00.0	00.0				0950	1000
70371	0070	0090	0075	1	00.0	00.3	00.0	1	1000	1000	1	0140	0080	0140	00.0	00.0	00.0				0750	0780
70522	0030	0020	0050	1	00.0	00.1	00.0	1	0800	0800	1	0200	0060	0190	00.0	00.0	00.0	0060	0180	0080	0800	0780
70523	0015	0115	0020	1	00.0	00.0	00.0	1	0750	0750	1	0030	0020	0040	00.0	00.0	00.0	0070	0170	0090	0700	0720
70608	0005	0040	0020	1	00.0	00.0	00.0	1	0650	0700	1	0140	0130	0090	00.0	00.0	00.0	0080	0160	0080	0830	0820

APPENDIX C - IDLE TEST RESULTS

CELL NO=54 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV CAMARO MALIBU NOVA

	D E G	I D L E	T E S T									H T S	I D L E	T E S T								
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70048	0045	0055	0080	1	00.0	00.3	00.0	1	0800	0800	1	0090	0050	0080	00.0	00.0	00.0	0070	0175	0080	0800	0810
70057	0445	0120	0440	2	06.2	00.5	05.7	2	0850	0850	1	0680	0100	0560	07.2	00.0	07.2	0110	0150	0120	0750	0750
70059	1090	0165	1015	2	07.5	00.2	07.3	2	0750	0750	1	0960	0170	1020	07.2	00.1	07.8	0130	0160	0140	0680	0670
70090	0350	0060	0350	2	04.5	00.1	04.0	2	1000	1000	1	0300	0070	0300	02.8	00.0	03.2	0120	0220	0120	0890	0910
70096	0260	0080	0350	2	04.2	00.0	04.3	2	0900	0900	1	0340	0110	0380	03.6	00.2	03.8				0840	0850
70124	0360	0125	0370	2	03.8	00.1	02.8	2	0950	0950	2	0410	0110	0350	01.8	00.1	01.9				0840	0850
70129	0270	0110	0275	2	03.7	00.1	03.2	2	1100	1100	1	0320	0060	0260	01.7	00.0	01.9				0940	0990
70141	0250	0050	0240	2	02.5	00.0	02.1	2	0900	0900	1	0320	0050	0290	01.4	00.0	01.8				0760	0780
70189	0040	0030	0070	1	00.0	00.0	00.0	1	0800	0800	1	0100	0030	0080	00.0	00.0	00.0				0730	0730
70193	0135	0140	0045	1	00.3	00.1	00.0	1	0600	0600	1	0100	0070	0090	00.0	00.1	00.0				0830	0830
70236	0065	0040	0090	1	00.0	00.0	00.0	1	0800	0800	1	0080	0010	0060	00.0	00.0	00.0				0790	0810
70271	0500	0140	0500	2	05.6	00.1	05.2	2	0950	0950	1	0430	0070	0470	04.4	00.0	04.0				0890	0910
70295	0085	0060	0070	1	00.0	00.0	00.0	1	0800	0800	1	0160	0050	0100	00.0	00.0	00.0				0720	0740
70296	0380	0135	0315	2	01.3	00.7	00.9	2	0950	0950	1	0130	0080	0100	00.1	00.0	00.0				0830	0870
70318	0385	0130	0410	2	03.4	00.4	02.2	2	0850	0850	1	0430	0070	0440	03.2	00.0	02.7				0800	0820
70321	0035	0070	0045	1	00.0	00.0	00.0	1	0800	0800	1	0060	0050	0050	00.0	00.0	00.0				0870	0900
70382	0185	0130	0185	1	00.5	00.2	00.0	1	0900	0950	1	0190	0060	0130	00.0	00.0	00.0				0840	0840
70384	0440	0220	0410	2	02.0	00.1	02.5	2	0800	0800	1	0310	0080	0340	00.8	00.0	01.1				0750	0750
70389	0070	0060	0075	1	00.1	00.0	00.0	1	0850	0850	1	0400	0060	0060	00.3	00.0	00.0				0850	0880
70445	0440	0410	0470	2	01.8	00.1	01.5	2	0900	0900	1	0570	0100	0630	00.2	00.0	00.4	0050	0110	0040	0840	0860
70470	0305	0240	0320	2	02.7	00.5	03.1	2	1000	1000	1	0300	0050	0250	02.1	00.0	02.1	0080	0100	0060	0960	0960
70474	0775	0270	0725	2	02.9	00.7	02.7	2	0750	0800	1	1040	0100	0750	01.0	00.0	02.0	0050	0140	0060	0830	0840
70476	0220	0120	0280	1	00.5	01.0	01.2	1	0800	0800	1	0250	0080	0270	00.9	00.6	00.6	0040	0100	0040	0800	0800
70482	0480	0215	0480	2	05.9	00.6	05.4	2	0800	0800	1	0470	0090	0410	04.6	00.0	04.1	0090	0180	0080	0710	0720
70498	0540	0280	0740	2	08.5	05.0	08.0	2	1150	1150	2	0420	0060	0430	05.2	00.1	05.6	0110	0130	0100	1060	1070
70505	0340	0325	0365	2	04.1	06.1	04.3	2	1000	1000	3	0280	0190	0320	03.4	04.1	03.5	0085	0080	0100	1010	1040
70512	0015	0025	0020	1	00.0	00.0	00.0	1	0900	0900	1	0110	0050	0080	00.0	00.0	00.0	0070	0170	0110	0780	0810
70579	0450	0205	0455	2	05.8	05.8	05.4	2	0950	0950	1	0460	0100	0470	05.4	00.2	05.4	0100	0140	0100	0920	0930
70593	0085	0060	0170	1	00.0	00.0	00.0	1	1150	1200	2	0300	0060	0320	00.0	00.0	00.1	0100	0400	0110	1050	1060
70615	0155	0060	0180	1	03.2	00.6	02.6	2	0800	0800	1	0170	0020	0170	01.6	00.1	01.7	0040	0110	0040	0870	0920
70673	0045	0030	0050	1	00.0	00.0	00.0	1	0900	0900	1	0060	0020	0050	00.0	00.0	00.0	0120	0160	0070	0790	0810
76003	0175	0160	0215	1	02.8	00.3	02.5	2	1100	1100	1	0260	0080	0260	02.3	00.2	02.3	0080	0200	0080	1010	1020
76038	0495	0065	0395	2	02.1	00.0	02.0	2	0800	0800	1	0460	0080	0380	01.3	00.2	01.9	0060	0250	0070	0730	0750
76042	0440	0164	0484	2	05.1	00.4	04.4	2	0700	0700	1	0540	0120	0520	04.7	00.1	04.5				0700	0730

APPENDIX C - IDLE TEST RESULTS

CELL NO=55 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV MALIBU MONTE CARLO CAPRICE

	D E Q IDLE TEST											H T S IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70008	0045	0075	0050	1	00.0	00.1	00.0	1	0600	0600	1	0090	0050	0050	00.0	00.0	00.0	0040	0140	0060	0540	0590
70009	0025	0060	0035	1	00.0	00.0	00.0	1	0850	0850	1	0040	0030	0050	00.0	00.0	00.0	0080	0140	0100	0840	0860
70018	0040	0050	0070	1	00.0	00.0	00.0	1	0900	0900	1	0050	0020	0020	00.0	00.0	00.0	0090	0150	0110	0770	0810
70019	0015	0030	0035	1	00.0	00.0	00.0	1	1100	1100	1	0160	0010	0030	00.1	00.0	00.0	0080	0200	0070	0650	0710
70020	0075	0035	0055	1	00.0	00.0	00.0	1	0800	0800	1	0050	0020	0040	00.0	00.0	00.0	0060	0160	0080	0690	0770
70029	0040	0065	0140	1	00.0	00.0	00.1	1	0800	0800	1	0070	0030	0080	00.0	00.0	00.2	0090	0150	0060	0720	0790
70037	0455	0110	0670	2	03.3	00.2	03.4	2	0800	0800	1	0580	0090	0510	06.5	01.1	05.6	0060	0175	0080	0660	0670
70039	0025	0025	0030	1	00.0	00.0	00.0	1	1200	1200	1	0030	0010	0020	00.0	00.0	00.0	0060	0150	0100	0830	0870
70042	0045	0050	0090	1	00.6	00.0	00.5	1	1100	1100	1	0300	0030	0080	00.0	00.0	00.0	0060	0140	0080	0920	1040
70045	0030	0035	0035	1	00.0	00.0	00.0	1	1050	1000	1	0050	0020	0040	00.0	00.0	00.0	0030	0170	0050	0860	0890
70053	0040	0020	0045	1	00.0	00.0	00.0	1	1100	1100	1	0050	0020	0040	00.0	00.0	00.0	0100	0150	0120	0940	1040
70055	0180	0080	0300	1	02.6	00.8	02.7	2	1000	1000	1	0340	0050	0240	01.9	00.0	02.5	0060	0140	0070	0970	1020
70145	0790	0165	0780	2	07.4	01.6	07.2	2	0700	0700	1	0740	0060	0750	07.4	00.0	07.8				0620	0600
70146	0460	0165	0650	2	06.0	00.2	06.1	2	0750	0750	1	0560	0070	0550	06.4	00.0	06.7				0710	0750
70158	0010	0165	0045	1	00.0	00.1	00.0	1	0750	0750	1	0100	0030	0070	00.0	00.0	00.0	0030	0060	0020	0720	0650
70209	0080	0060	0145	1	01.0	01.7	01.6	1	0800	0800	1	0040	0050	0030	00.0	01.0	00.0				0740	0810
70212	0325	0090	0820	2	06.0	00.1	06.8	2	0750	0750	1	1140	0100	1050	09.9	00.4	09.9				0490	0510
70213	0350	0090	0120	1	00.4	01.0	00.1	1	0800	0800	1	0300	0050	0210	00.1	00.1	00.2				0690	0760
70247	0035	0035	0045	1	00.0	00.2	00.0	1	0850	0850	1	0060	0030	0050	00.0	00.0	00.0				0690	0770
70285	0025	0040	0045	1	00.0	00.0	00.0	1	1050	1050	1	0080	0060	0070	00.0	00.0	00.0				0760	0800
70308	0050	0060	0060	1	00.0	00.0	00.0	1	0900	0900	1	0070	0060	0080	00.0	00.0	00.0				0840	0850
70312	0045	0045	0050	1	00.0	00.1	00.0	1	0400	0400	1	0030	0020	0020	00.0	00.0	00.0				0730	0770
70350	0140	0078	0220	1	03.3	02.6	03.0	2	1100	1100	1	0160	0090	0160	00.5	00.6	01.2				1050	1110
70354	0550	0200	0700	2	08.3	00.9	08.8	2	0700	0700	1	0640	0120	0600	07.9	00.0	07.7				0650	0680
70365	0020	0020	0045	1	00.0	00.0	00.0	1	0800	0800	1	0090	0050	0060	00.0	00.0	00.0				0700	0730
70404	0420	0095	0645	2	05.9	05.4	05.7	2	0750	0750	1	0590	0110	0430	03.9	00.2	03.9				0690	0760
70454	0020	0025	0040	1	00.0	00.0	00.0	1	0850	0850	1	0100	0020	0070	00.0	00.0	00.0	0030	0130	0040	0640	0720
70460	0060	0065	0090	1	00.1	01.4	00.1	1	0900	0900	1	0040	0020	0030	00.0	00.0	00.0	0055	0115	0070	0730	0770
70466	0440	0120	0570	2	08.0	00.2	08.2	2	0900	0900	1	0640	0080	0720	07.2	00.0	07.6	0110	0230	0130	0670	0680
70487	0015	0015	0095	1	00.0	00.0	00.0	1	0850	0850	1	0030	0020	0020	00.0	00.0	00.0	0060	0100	0080	0800	0850
70506	0065	0045	0070	1	00.0	00.1	00.0	1	0800	0800	1	0140	0050	0120	00.0	00.0	00.0	0060	0120	0070	0740	0780
70632	0260	0115	0305	2	02.1	00.3	02.1	2	0850	0850	1	0350	0120	0310	01.8	00.0	01.8	0130	0200	0100	0790	0810
70638	0180	0050	0190	1	03.2	00.5	03.2	2	0900	0900	1	0170	0040	0170	01.3	00.0	01.6	0090	0130	0110	0920	0960
74010	0045	0065	0045	1	00.0	00.0	00.0	1	0850	0850	1	0060	0030	0050	00.0	00.0	00.0	0070	0260	0100	0770	0830
76012	0610	0125	0700	2	05.5	00.1	05.2	2	0600	0600	1	0830	0040	0650	05.5	00.0	05.9	0110	0160	0120	0630	0660
76014	0295	0065	0310	2	02.2	00.0	02.4	2	0850	0850	1	0270	0030	0210	01.2	00.0	01.6	0100	0420	0100	0770	0850
76022	0545	0125	0650	2	05.7	00.1	05.7	2	0650	0650	1	0560	0100	0580	04.4	00.0	05.3	0080	0130	0080	0640	0630
76023	0400	0125	0480	2	05.2	00.1	05.3	2	1000	1000	1	0430	0050	0440	03.5	00.1	04.5	0100	0140	0100	0890	0950
76024	0605	0150	0595	2	08.5	02.1	07.8	2	0900	0900	1	0500	0110	0490	06.0	00.1	06.4	0020	0150	0080	0900	0930
76025	0570	0160	0540	2	04.8	00.1	04.4	2	0550	0550	1	0690	0050	0510	03.3	00.0	03.8	0100	0140	0090	0490	0540
76030	0355	0090	0415	2	04.5	00.1	05.0	2	0800	0800	1	0450	0030	0430	04.6	00.0	05.6	0065	0120	0080	0720	0760
76033	0355	0060	0410	2	05.0	00.1	05.4	2	0860	0880	1	0420	0030	0350	04.4	00.0	05.0	0080	0260	0085	0730	0760
76034	0445	0060	0440	2	05.0	00.0	05.0	2	0700	0700	1	0730	0060	0520	05.5	00.0	05.0	0090	0190	0100	0640	0690

APPENDIX C - IDLE TEST RESULTS

CELL NO=56 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV MALIBU MONTE CARLO CAPRICE

	D E Q IDLE TEST											H T S IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70012	0065	0050	0105	1	00.0	00.1	00.0	1	0800	0800	1	0070	0020	0180	00.0	00.0	00.0	0100	0180	0090	0770	0770
70015	0095	0045	0065	1	00.0	00.0	00.0	1	0800	0800	1	0090	0040	0070	00.0	00.0	00.0	0100	0100	0120	0780	0800
70033	0050	0050	0050	1	00.0	00.0	00.0	1	0750	0750	1	0120	0020	0030	00.0	00.0	00.0	0060	0100	0120	0620	0660
70043	0015	0020	0025	1	00.0	00.0	00.0	1	0950	0950	1	0030	0020	0020	00.0	00.0	00.0	0060	0150	0090	0850	0900
70046	0030	0025	0030	1	00.0	00.0	00.0	1	0800	0800	1	0140	0020	0040	00.0	00.0	00.0	0060	0120	0070	0800	0850
70047	0015	0030	0025	1	00.0	00.0	00.0	1	0800	0800	1	0030	0010	0020	00.0	00.0	00.0	0050	0120	0050	0750	0660
70056	0015	0025	0025	1	00.0	00.1	00.0	1	1000	1000	1	0030	0020	0030	00.0	00.0	00.0	0090	0170	0100	0820	0870
70078	0020	0021	0040	1	00.0	00.1	00.0	1	0650	0650	1	0030	0020	0030	00.0	00.0	00.0	0070	0250	0090	0620	0630
70091	0120	0035	0140	1	01.2	00.1	01.6	2	0850	0850	1	0060	0020	0240	00.0	00.0	00.4	0060	0150	0060	0690	0680
70116	0070	0040	0060	1	00.1	00.3	00.2	1	0900	0900	1	0070	0030	0050	00.0	00.0	00.0				0830	0850
70126	0108	0095	0160	2	02.0	00.1	01.6	2	0900	0900	2	0170	0050	0170	02.1	00.0	02.2				0880	0870
70151	0140	0130	0215	1	01.0	01.0	01.6	1	0900	0900	1	0110	0030	0120	00.0	00.4	00.1	0040	0100	0040	0850	0870
70154	0025	0030	0065	1	00.0	00.0	00.0	1	0950	0950	1	0040	0020	0030	00.0	00.0	00.0				0870	0910
70181	0030	0020	0035	1	00.0	00.0	00.0	1	0750	0750	1	0100	0020	0060	00.0	00.0	00.0	0020	0100	0010	0700	0710
70218	0370	0075	0445	2	07.2	00.5	07.5	2	0800	0800	1	0420	0080	0400	07.3	00.1	07.4				0760	0780
70219	0370	0170	0490	2	05.7	03.1	05.3	2				0520	0060	0490	05.7	00.1	06.3				0710	0730
70252	0055	0035	0105	1	00.1	00.1	00.2	1	0650	0650	1	0030	0020	0030	00.0	00.0	00.0				0630	0640
70269	0280	0070	0230	2	01.6	00.1	01.8	2	0850	0850	1	0270	0080	0290	00.9	00.0	01.3				0800	0820
70297	0095	0070	0125	1	00.0	00.0	00.0	1	0700	0700	1	0050	0020	0080	00.0	00.0	00.0				0770	0760
70329	0060	0045	0055	1	00.0	00.0	00.0	1	0625	0625	1	0080	0020	0030	00.0	00.0	00.0				0580	0620
70355	0050	0030	0060	1	00.0	00.0	00.0	1	0950	0950	1	0140	0050	0110	00.0	00.0	00.0				0820	0820
70359	0030	0030	0070	1	00.0	00.1	00.7	1	0850	0850	1	0090	0030	0080	00.0	00.0	00.1				0690	0720
70434	0060	0060	0065	1	00.0	00.0	00.0	1	0750	0750	1	0030	0020	0040	00.0	00.0	00.0	0060	0130	0070	0760	0810
70441	0500	0270	0540	1	05.8	01.0	05.9	2	0950	0950	1	0530	0050	0440	04.1	00.0	04.4	0070	0280	0100	0730	0780
70444	0010	0075	0015	1	00.0	00.0	00.0	1	0750	0750	1	0030	0040	0030	00.0	00.0	00.0	0040	0060	0050	0650	0700
70496	0200	0045	0160	1	02.0	00.2	01.5	2	0850	0850	1	0210	0030	0160	00.2	00.0	00.9	0060	0140	0070	0730	0790
70515	0015	0025	0030	1	00.0	00.5	00.0	1				0030	0020	0040	00.0	00.0	00.0	0060	0160	0060	0920	0920
70525	0070	0075	0080	1	00.0	00.0	00.0	1	0800	0800	1	0380	0110	0160	00.2	00.1	00.0	0060	0120	0060	0700	0750
70633	0455	0155	0465	2	09.1	02.0	08.5	2	0850	0850	1	0640	0130	0570	10.1	00.0	09.8	0120	0220	0140	0820	0870
70635	0060	0060	0060	1	00.0	00.0	00.0	1	0900	0900	1	0400	0100	0420	00.1	00.0	00.1	0050	0140	0080	0800	0840
74026	0015	0015	0025	1	00.0	00.0	00.0	1	0850	0850	1	0030	0020	0030	00.0	00.0	00.0	0090	0140	0080	0750	0730
76005	0190	0095	0225	2	02.3	00.1	02.4	2	0900	0900	1	0280	0060	0290	04.2	00.0	04.1	0090	0120	0090	0680	0680
76015	0330	0130	0300	2	02.6	00.0	02.8	2	0850	0850	1	0320	0060	0230	02.0	00.0	02.4	0120	0150	0130	0770	0800
76017	0635	0120	0573	2	07.0	00.0	06.9	2	0750	0750	1	0660	0110	0640	06.3	00.2	06.7	0090	0150	0070	0630	0670
76035	0315	0055	0300	2	04.6	00.0	04.3	2	0700	0700	1	0430	0060	0320	05.6	00.0	04.6	0120	0270	0130	0680	0740
76037	0920	0105	0670	1	07.3	00.0	06.5	2	0600	0600	1	0820	0080	0890	06.4	00.0	06.7	0140	0160	0120	0590	0600
76043	0200	0065	0175	1	02.7	00.1	02.9	2	0900	0900	1	0410	0130	0340	03.5	00.0	03.5				0780	0850

APPENDIX C - IDLE TEST RESULTS

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CELL NO=57    MODEL YR(S)=1977
   MAKE=PONT OLDS             MODEL=LEMANS GRAND PRIX CATALINA
        ---------D E Q    I D L E    T E S T---------    ------------H T S    I D L E    T E S T--------------
        --------HC-------  --------CO------  ----RPM---   -----HC------  -----CO------  -----NOX-----  --RPM---
EPA NO  1ST 2500  2ND S   1ST 2500  2ND S   1ST  2ND S   1ST 2500  2ND  1ST 2500  2ND  1ST 2500  2ND  1ST  2ND

70013   0060 0050 0090 1 00.0 00.1 00.0 1 0900 0900 1   0090 0020 0050 00.0 00.0 00.0 0140 0270 0190 0840 0900
70026   0055 0055 0065 1 00.0 00.0 00.0 1 0750 0750 1   0100 0030 0060 00.0 00.0 00.0 0100 0160 0100 0700 0760
70028   0055 0065 0070 1 00.0 00.0 00.0 1 0650 0650 1   0090 0030 0050 00.0 00.0 00.0 0070 0150 0090 0560 0630
70109   0180 0075 0170 1 00.0 00.0 00.0 1 0700 0700 1   0170 0050 0120 00.0 00.0 00.0 0110 0170 0070 0600 0640
70117   0730 0140 0700 2 01.5 00.1 02.0 2 0750 0800 1   0930 0060 0910 00.9 00.0 02.1                0650 0700

70119   0065 0110 0105 1 00.0 01.5 00.1 1 0800 0800 1   0090 0040 0060 00.0 00.1 00.0                0720 0780
70157   0045 0130 0055 1 00.0 00.0 00.0 1 0750 0750 1   0030 0020 0020 00.0 00.0 00.0 0050 0140 0060 0710 0730
70202   0020 0015 0020 1 00.0 00.0 00.0 1 0600 0600 1   0060 0020 0040 00.0 00.0 00.0                0510 0560
70206   0065 0040 0070 1 00.0 00.0 00.0 1 0750 0750 1   0100 0030 0080 00.0 00.0 00.0                0710 0740
70208   0160 0040 0195 1 00.0 00.0 00.1 1 0700 0700 1   0060 0020 0190 00.0 00.0 00.1                0620 0670

70262   0360 0060 0320 2 02.4 00.1 03.0 2 0750 0800 1   0420 0050 0570 00.1 00.0 01.9                0650 0700
70264   0165 0070 0065 1 01.9 00.3 00.0 1 0900 0900 1   0050 0030 0050 00.0 00.1 00.0                0810 0880
70274   0035 0065 0070 1 00.0 01.1 00.0 1 0800 0800 1   0030 0020 0050 00.0 00.0 00.0                0760 0820
70290   0050 0050 0050 1 00.0 00.0 00.0 1 0900 0900 1   0050 0020 0030 00.0 00.0 00.0                0790 0900
70340   0295 0110 0285 2 00.9 00.1 00.7 1 0950 0950 1   0300 0060 0160 00.1 00.0 00.0                0700 0700

70341   0560 0135 0670 2 01.8 00.0 01.7 2 0850 0850 1   0930 0100 0750 00.6 00.0 00.9                0760 0810
70343   0075 0040 0030 1 00.0 00.0 00.0 1 0800 0800 1   0180 0050 0120 00.0 00.0 00.0                0760 0810
70360   0025 0045 0150 1 00.0 00.0 00.0 1 0650 0650 1   0060 0020 0050 00.0 00.0 00.0                0600 0640
70428   0020 0030 0060 1 00.0 00.0 00.0 1 0900 0900 1   0030 0020 0020 00.0 00.0 00.0 0060 0150 0070 0790 0830
70433   0125 0090 0505 1 00.1 00.3 00.0 1 0900 0900 1   0240 0060 0260 00.0 00.1 00.1 0070 0170 0110 0920 0960

70439   0500 0215 0525 2 05.8 00.6 05.2 2 0750 0750 3   0400 0140 0440 05.5 00.7 05.9 0100 0510 0110 0770 0770
70456   0745 0170 0735 2 00.1 00.0 00.1 1 0800 0800 1   0800 0140 0740 00.1 00.0 00.3 0050 0110 0050 0800 0830
70465   0020 0040 0035 1 00.0 00.1 00.0 1 0850 0850 1   0020 0020 0020 00.0 00.0 00.0 0080 0130 0080 0790 0860
70477   0070 0040 0115 1 00.0 00.1 00.0 1 0700 0700 1   0060 0030 0050 00.0 00.0 00.0 0080 0150 0090 0810 0840
70547   0015 0075 0020 1 00.0 00.0 00.0 1 0650 0650 1   0100 0060 0100 00.0 00.0 00.0 0090 0180 0130 0760 0770

70546   0025 0075 0065 1 00.0 01.4 00.0 1 0850 0850 1   0120 0030 0100 00.0 00.0 00.0 0080 0200 0090 0660 0710
70550   0020 0025 0020 1 00.0 00.0 00.0 1 0700 0700 1   0030 0030 0020 00.0 00.0 00.0 0060 0160 0080 0620 0680
70554   0085 0030 0035 1 00.4 00.1 00.0 1 0700 0700 1   0140 0020 0120 00.0 00.0 00.0 0095 0170 0110 0780 0770
70562   0175 0115 0180 1 00.5 00.1 00.1 1 0750 0750 1   0130 0020 0130 00.0 00.0 00.0 0100 0160 0100 0690 0700
70589   0020 0030 0020 1 00.0 00.0 00.0 1 0950 1000 1   0030 0030 0030 00.0 00.0 00.0 0080 0150 0090 0860 0930

70639   0050 0050 0060 1 00.0 00.1 00.0 1 0950 0950 1   0110 0060 0080 00.0 00.0 00.0 0100 0240 0120 0780 0810
76020   0580 0030 0635 2 01.3 00.1 01.3 2 0800 0850 1   0360 0050 0510 00.2 00.0 00.4 0060 0160 0070 0700 0760
76027   0350 0105 0380 2 03.0 00.1 03.5 2 0750 0750 1   0720 0090 0460 01.1 00.1 01.6 0090 0150 0080 0730 0770
```

APPENDIX C - IDLE TEST RESULTS

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CELL NO=58    MODEL YR(S)=1977
   MAKE=PONT OLDS BUICK       MODEL=OLDS 88 LESABRE ELECTRA RIVIERA OLDS 98 CATALINA
        ---------D E Q    I D L E    T E S T---------    ------------H T S    I D L E    T E S T--------------
        --------HC-------  --------CO------  ----RPM---   -----HC------  -----CO------  -----NOX-----  --RPM---
EPA NO  1ST 2500  2ND S   1ST 2500  2ND S   1ST  2ND S   1ST 2500  2ND  1ST 2500  2ND  1ST 2500  2ND  1ST  2ND

70030   0025 0045 0030 1 00.0 00.0 00.0 1 0950 0950 1   0050 0030 0020 00.0 00.0 00.0 0070 0130 0080 0780 0830
70040   0060 0070 0095 1 00.0 00.0 00.0 1 0850 0850 1   0180 0030 0080 00.0 00.0 00.0 0080 0150 0080 0780 0820
70049   0085 0050 0075 1 00.0 00.0 00.0 1 0650 0650 1   0090 0060 0100 00.0 00.0 00.0 0100 0180 0100 0670 0620
70060   0070 0040 0130 1 00.1 00.1 00.1 1 1000 1000 1   0160 0050 0170 00.7 00.0 00.5 0090 0400 0100 0750 0750
70061   0135 0080 0165 1 00.0 00.1 00.0 1 1000 1000 1   0240 0050 0050 00.0 00.0 00.0 0110 0200 0120 0890 0890

70118   0040 0030 0050 1 00.0 00.0 00.0 1 0650 0650 1   0040 0020 0020 00.0 00.0 00.0                0640 0660
70142   0060 0070 0070 1 00.0 00.0 00.0 1 0950 0950 1   0060 0080 0060 00.0 00.0 00.0                0990 0970
70152   0120 0075 0095 1 01.7 00.1 01.2 2 0800 0800 1   0160 0100 0140 02.1 00.0 02.8 0070 0180 0080 0910 0820
70207   0030 0035 0030 1 00.0 00.0 00.0 1 0600 0600 1   0040 0050 0030 00.0 00.1 00.0                0600 0610
70211   0030 0030 0030 1 00.0 00.1 00.0 1 0700 0700 1   0080 0020 0030 00.3 00.0 00.0                0720 0750

70214   0170 0265 0200 1 00.9 02.4 00.7 1 0800 0800 1   0090 0290 0070 00.0 00.1 00.0                0670 0700
70246   0160 0045 0130 1 00.0 00.0 00.0 1 0750 0750 1   0060 0050 0090 00.0 00.0 00.0                0860 0790
70257   0100 0075 0105 1 00.0 00.0 00.0 1 0750 0800 1   0080 0050 0060 00.0 00.0 00.0                0650 0700
70276   0200 0190 0390 2 02.0 00.7 01.3 2 0700 0800 1   0150 0170 0210 01.3 00.1 00.0                0870 0810
70301   0480 0095 0535 2 06.8 00.7 05.9 2 0750 0750 1   0540 0050 0510 06.1 00.0 05.6                0720 0790

70334   0375 0130 0425 2 03.0 00.1 02.2 2 0630 0650 1   0560 0080 0530 01.7 00.0 00.7                0600 0620
70344   0295 0255 0315 2 02.2 00.9 02.2 2 0550 0550 1   0420 0140 0430 02.2 00.0 02.1                0630 0700
70346   0300 0140 0410 2 00.5 00.0 00.3 1 0850 0850 1   0460 0110 0380 00.2 00.1 00.2                0750 0800
70351   0030 0045 0030 1 00.0 00.6 00.0 1 0700 0700 1   0030 0020 0030 00.0 00.0 00.0                0730 0730
70442   0125 0090 0055 1 01.3 00.7 00.0 1 1300 1300 2   0130 0040 0040 01.6 00.0 00.0 0080 0110 0090 1170 1250

70446   0230 0080 0310 2 01.8 00.1 01.7 2 0700 0700 1   0270 0090 0300 01.5 00.0 00.8 0080 0120 0080 0720 0760
70449   0160 0065 0035 1 01.7 00.1 00.0 1 0800 0800 1   0020 0030 0020 00.0 00.0 00.0 0055 0120 0065 0710 0790
70458   0065 0040 0045 1 00.1 00.0 00.0 1 0700 0700 1   0020 0030 0020 00.0 00.0 00.0 0060 0110 0070 0610 0690
70462   0155 0105 0225 1 00.6 00.1 00.2 1 0650 0700 1   0080 0060 0070 00.0 00.0 00.0 0060 0130 0070 0630 0640
70494   0230 0320 0170 1 00.6 00.0 00.2 1 0800 0800 1   0020 0020 0020 00.0 00.0 00.0 0070 0110 0050 0690 0750

70495   0045 0055 0055 1 00.0 00.0 00.0 1 1000 1000 1   0080 0040 0060 00.0 00.0 00.0 0090 0120 0100 0780 0850
70537   0080 0160 0100 1 00.5 00.1 00.5 1 0800 0800 1   0130 0370 0090 00.0 00.0 00.0 0090 0290 0090 0600 0650
70540   0030 0050 0045 1 00.0 00.5 00.0 1 0750 0750 1   0050 0060 0030 00.0 00.0 00.0 0070 0140 0080 0620 0700
70582   0040 0045 0045 1 00.0 00.1 00.0 1 0700 0700 1   0450 0090 0170 00.1 00.1 00.0 0080 0160 0090 0720 0730
70594   0180 0060 0140 1 02.9 00.0 02.8 2 0700 0700 1   0310 0060 0320 00.4 00.0 00.6 0070 0140 0090 0620 0700

70597   0440 0195 0570 2 04.2 00.3 03.2 2 0850 0850 1   0590 0160 0440 04.4 00.0 01.9 0100 0150 0100 0760 0770
70606   0415 0230 0360 2 03.6 00.0 03.6 2 0800 0800 1   0450 0170 0370 02.4 00.2 02.5 0100 0180 0100 0690 0760
70624   0080 0045 0075 1 00.0 00.0 00.0 1 0800 0800 1   0110 0050 0090 00.0 00.0 00.0 0030 0050 0040 0740 0710
70659   0055 0075 0035 1 00.0 00.0 00.0 1 0750 0750 1   0060 0060 0030 00.0 00.0 00.0 0060 0180 0050 0750 0800
76026   0300 0195 0355 2 01.1 00.0 01.1 2 0950 0950 1   0520 0210 0350 00.4 00.0 00.1 0060 0180 0080 0830 0830

76036   0370 0140 0440 2 00.1 00.1 00.1 1 0750 0750 1   0190 0090 0170 00.0 00.0 00.0 0110 0180 0110 0700 0710
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                                    APPENDIX C - IDLE TEST RESULTS

CELL NO=59    MODEL YR(S)=1977

   MAKE=PONT OLDS BUICK          MODEL=FBIRD CUTLS CNTRY LEMANS OLDS 88 LESABRE REGAL CATALINA

        ---------D E Q    I D L E     T E S T-----------   -------------H T S     I D L E     T E S T---------------
        --------HC------- --------CO-------  ----RPM---    -----HC------  -----CO-------  -----NOX-----  --RPM---
EPA NO  1ST  2500 2ND  S 1ST  2500 2ND  S 1ST  2ND  S   1ST  2500 2ND  1ST  2500 2ND  1ST  2500 2ND  1ST  2ND

70031   0040 0040 0045 1 00.0 00.1 00.0 1 1050 1050 1   0080 0030 0040 00.0 00.0 00.0 0100 0120 0090 0850 0940
70092   0545 0205 0740 2 08.0 00.5 07.9 2 1100 1100 1   0540 0220 0690 08.4 00.2 08.9 0120 0170 0130 0980 1030
70098   0045 0055 0115 1 00.0 00.4 00.0 1 0600 0600 1   0130 0050 0090 00.0 00.1 00.0                0540 0510
70106   0430 0185 0450 2 05.1 02.9 05.0 2 0750 0750 1   0510 0170 0530 05.3 02.6 05.9 0120 0140 0110 0870 0930
70123   0480 0255 0990 2 08.4 02.4 08.0 2 0650 0650 2   0910 0140 1050 08.8 00.3 08.9                0670 0660

70132   0020 0030 0025 1 00.0 00.1 00.0 1 0900 0900 1   0030 0100 0030 00.0 00.0 00.0                0770 0830
70150   0330 0195 0480 2 03.5 03.9 04.5 2 0900 0900 1   0130 0090 0070 00.0 00.5 00.0                0820 0890
70186   0020 0045 0030 1 00.0 00.0 00.0 1 1000 1000 1   0020 0040 0020 00.0 00.0 00.0                0710 0750
70187   0020 0060 0030 1 00.0 00.6 00.0 1 1050 1050 1   0030 0050 0020 00.0 00.0 00.0                0960 1050
70233   0260 0120 0560 2 04.4 01.3 04.7 2 1000 1000 1   0300 0080 0280 04.3 00.5 04.2                0890 0970

70262   0565 0135 0590 2 07.0 00.8 06.3 2 0850 0850 1   0290 0060 0400 04.6 00.2 05.3                0820 0860
70283   0055 0035 0105 1 01.0 00.6 01.1 1 0900 0900 1   0060 0030 0080 00.9 00.5 01.0                0650 0670
70299   0210 0190 0400 2 04.2 04.0 04.4 2 1200 1250 2   0300 0090 0340 03.3 01.1 03.9                0800 0780
70300   0055 0080 0150 1 01.2 01.9 01.0 2 0900 0900 1   0050 0020 0030 00.0 00.0 00.0                0760 0820
70317   0165 0070 0345 1 04.9 00.6 04.3 2 0750 0750 1   0140 0030 0200 02.7 00.1 04.3                0740 0590

70328   0240 0100 0305 2 04.2 01.3 04.0 2 0850 0850 1   0260 0260 0320 08.3 05.3 08.9                1140 0920
70333   0025 0030 0020 1 00.0 00.0 00.0 1 0975 0975 1   0020 0030 0020 00.0 00.0 00.0                0920 0980
70352   0015 0020 0085 1 00.0 00.0 00.0 1 0800 0800 1   0050 0030 0040 00.1 00.0 00.0                0520 0560
70357   0255 0200 0195 1 01.2 00.1 00.9 1 0700 0700 1   0110 0130 0040 00.0 00.0 00.0                0680 0730
70406   0080 0090 0085 1 00.0 00.1 00.0 1 1000 1000 1   0120 0060 0080 00.0 00.0 00.0                0650 0700

70407   0190 0095 0210 2 03.0 00.5 02.5 2 1050 1050 1   0370 0090 0290 01.8 00.2 00.8                0900 0950
70409   0020 0030 0025 1 00.0 00.0 00.0 1 0900 0900 1   0050 0060 0020 00.0 00.0 00.0                0800 0850
70502   0140 0085 0200 2 05.7 01.1 05.5 2 1000 1000 1   0160 0060 0130 04.6 00.7 04.2 0120 0320 0120 0940 1000
70509   0985 0290 0975 2 07.5 00.2 07.5 2 0900 0900 1   0790 0080 0770 06.6 00.0 06.8 0120 0140 0110 0580 0630
70510   0085 0065 0075 1 02.6 00.2 01.6 2 1000 1000 1   0020 0020 0030 00.0 00.0 00.3 0060 0480 0060 0880 0950

70526   0040 0065 0040 1 00.0 00.0 00.0 1 0850 0850 1   0240 0030 0120 00.0 00.0 00.0 0060 0220 0080 0550 0610
70572   0105 0065 0115 1 04.6 00.8 04.6 2 1100 1100 2   0140 0050 0090 03.9 00.0 03.6 0090 0120 0095 1080 1190
70654   0100 0040 0110 1 01.0 00.1 01.0 1 0900 0900 1   0030 0400 0020 00.0 00.0 00.1 0090 0120 0040 0770 0820
70657   0090 0160 0130 1 01.8 00.2 02.0 2 0900 0900 1   0150 0090 0100 01.3 00.0 01.7 0100 0150 0100 0850 0900
70658   0000 0000 0000 1 00.0 00.0 00.0 1 0800 0800 1   0080 0090 0060 00.0 00.0 00.0 0080 0140 0100 0740 0840

70668   0235 0125 0605 2 02.7 01.6 01.9 2 0800 0800 1   0090 0070 0270 00.3 00.0 00.7 0080 0180 0100 0680 0540
70670   0030 0060 0040 1 00.0 00.1 00.0 1 0800 0800 1   0050 0100 0030 00.0 00.0 00.0 0070 0120 0090 0760 0810
76019   2000 0400 2000 2 10.7 02.7 10.3 2 0750 0750 1   1800 0170 2470 09.9 01.0 09.9 0120 0610 0140 0760 0750
76029   0765 0165 0560 2 07.6 01.8 04.9 2 1000 1000 2   0820 0140 0790 06.8 01.4 07.1 0070 0410 0065 0850 0900
76044   0170 0200 0905 1 05.3 02.5 02.2 2 0700 0700 1   0260 0110 0200 04.4 00.2 04.3                0700 0710

76045   0135 0140 0195 2 03.6 01.9 04.3 2 0900 0900 1   0220 0090 0190 02.6 00.6 04.7                0740 0800
76048   0165 0075 0150 2 01.5 00.2 02.1 2 1050 1050 1   0080 0070 0080 00.6 00.1 00.9 0090 0130 0100 0850 0890
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                                    APPENDIX C - IDLE TEST RESULTS

CELL NO=60    MODEL YR(S)=1977

   MAKE=OLDS                     MODEL=CUTLASS OLDS 88

        ---------D E Q    I D L E     T E S T-----------   -------------H T S     I D L E     T E S T---------------
        --------HC------- --------CO-------  ----RPM---    -----HC------  -----CO-------  -----NOX-----  --RPM---
EPA NO  1ST  2500 2ND  S 1ST  2500 2ND  S 1ST  2ND  S   1ST  2500 2ND  1ST  2500 2ND  1ST  2500 2ND  1ST  2ND

70001   0020 0020 0020 1 00.0 00.0 00.0 1 0700 0700 1   0010 0020 0010 00.0 00.0 00.0                0650 0660
70002   0015 0045 0020 1 00.0 00.0 00.0 1 0700 0750 1   0000 0000 0000 00.0 00.0 00.0                0760 0760
70011   0035 0050 0040 1 00.0 00.1 00.0 1 0800 0800 1   0060 0030 0020 00.0 00.0 00.0 0080 0160 0090 0700 0700
70041   0125 0080 0115 1 00.0 00.0 00.0 1 0800 0800 1   0120 0040 0130 00.0 00.0 00.0 0070 0140 0070 0770 0740
70054   0380 0100 0315 2 01.1 00.0 00.9 1 0800 0800 1   0480 0060 0460 00.0 00.0 00.5 0060 0170 0040 0660 0700

70058   0240 0050 0105 1 00.1 00.0 00.0 1 0900 0900 1   0120 0070 0100 00.0 00.0 00.0 0130 0240 0150 0780 0800
70073   0080 0075 0095 1 00.0 00.0 00.0 1 0700 0700 1   0120 0030 0080 00.0 00.0 00.0 0080 0180 0090 0640 0640
70093   0045 0060 0075 1 00.0 00.0 00.0 1 0800 0800 1   0090 0030 0050 00.0 00.0 00.0 0090 0200 0070 0640 0650
70108   0035 0045 0030 1 00.0 00.0 00.0 1 0700 0700 1   0080 0040 0050 00.0 00.0 00.0 0060 0120 0040 0640 0650
70128   0180 0060 0155 1 02.0 00.0 00.7 1 0750 0750 1   0120 0080 0130 00.0 00.0 00.0                0690 0750

70133   0035 0070 0040 1 00.0 00.0 00.0 1 0950 0950 1   0070 0110 0060 00.0 00.0 00.0                0810 0830
70136   0345 0125 0365 2 03.0 00.0 03.1 2 0900 0900 1   0440 0140 0430 02.3 00.1 01.4                0780 0770
70177   0320 0085 0470 2 00.4 00.0 00.9 1 0800 0800 1   0060 0020 0050 00.0 00.0 00.0 0080 0120 0040 0740 0770
70224   0345 0115 0395 2 04.9 01.9 04.0 2 0750 0750 1   0350 0110 0330 02.8 01.3 03.0                0790 0830
70235   2000 0400 2000 2 07.7 00.9 07.3 2 0800 0800 1   1200 0060 1000 06.6 00.0 06.3                0700 0750

70279   0040 0045 0045 1 00.0 00.0 00.0 1 0750 0750 1   0130 0060 0060 00.0 00.0 00.0                0670 0740
70304   0030 0045 0040 1 00.0 00.0 00.0 1 0700 0700 1   0060 0060 0050 00.0 00.0 00.0                0690 0730
70311   0035 0030 0075 1 00.0 00.2 00.1 1 0750 0750 1   0030 0010 0020 00.0 00.0 00.0                0760 0780
70316   0040 0285 0180 1 00.0 00.3 00.0 1 0650 0650 1   0140 0040 0090 00.0 00.0 00.0                0550 0630
70322   0040 0050 0055 1 00.0 00.0 00.0 1 0700 0700 1   0150 0080 0090 00.0 00.0 00.0                0680 0740

70324   0770 0060 0305 2 00.4 00.5 00.6 1 0650 0650 1   0130 0050 0090 00.0 00.0 00.0                0630 0660
70394   0050 0110 0135 1 00.0 00.0 00.0 1 1000 1000 1   0100 0100 0090 00.0 00.0 00.0                0720 0750
70513   0020 0015 0025 1 00.0 00.0 00.0 1 0600 0600 1   0060 0030 0030 00.0 00.0 00.0 0090 0110 0080 0620 0600
70541   1230 0160 1395 2 08.7 00.1 08.7 2 0600 0600 1   1610 0150 1390 09.0 00.0 09.8 0140 0210 0140 0650 0650
70542   0190 0035 0530 1 00.1 00.0 00.3 1               0100 0030 0070 00.0 00.0 00.0 0070 0200 0080 0730 0730

70574   0090 0060 0060 1 00.1 00.2 00.0 1 0700 0700 1   0230 0020 0160 00.0 00.0 00.0 0070 0230 0080 0750 0760
70586   0020 0025 0025 1 00.0 00.0 00.0 1 0900 0900 1   0080 0030 0060 00.0 00.0 00.0 0070 0140 0080 0770 0810
70599   0040 0025 0050 1 00.0 00.0 00.0 1 0750 0750 1   0250 0090 0190 00.0 00.0 00.0 0080 0170 0100 0720 0760
70630   0070 0045 0080 1 00.0 00.0 00.0 1 0800 0800 1   0090 0020 0070 00.0 00.0 00.0 0020 0060 0030 0750 0750
70653   0035 0030 0040 1 00.0 00.0 00.0 1 0700 0700 1   0080 0030 0050 00.0 00.0 00.0 0140 0350 0100 0700 0740

70666   0095 0040 0135 1 00.0 00.0 00.0 1 0700 0700 1   0110 0020 0100 00.0 00.0 00.0 0060 0300 0080 0730 0730
70672   0210 0060 0230 1 00.7 00.1 00.7 1 0750 0750 1   0120 0100 0120 00.0 00.0 00.0 0080 0160 0050 0700 0720
74002   0065 0035 0040 1 00.0 00.0 00.0 1 0800 0800 1   0060 0030 0030 00.0 00.0 00.0                0760 0770
74003   0075 0020 0100 1 00.0 00.0 00.0 1 0800 0800 1   0080 0010 0060 00.0 00.0 00.0                0700 0730
74027   0065 0045 0065 1 00.0 00.0 00.0 1 0800 0800 1   0380 0070 0260 00.0 00.0 00.0 0030 0060 0040 0690 0690

76001   0290 0180 0335 2 00.1 00.0 00.2 1 0800 0850 1   0250 0070 0270 01.0 00.0 01.0                0810 0830
76002   0515 0070 0380 2 01.8 00.0 01.8 2 0800 0800 1   0270 0050 0120 00.3 00.0 00.0 0070 0160 0040 0710 0730
76039   0550 0110 0535 2 00.5 00.0 00.9 1 0850 0850 1   0130 0060 0060 00.0 00.0 00.0 0090 0180 0080 0680 0700
76040   0410 0040 0370 2 00.8 00.0 01.0 1 0700 0700 1   0130 0060 0420 00.0 00.0 00.4                0720 0780
```

APPENDIX C - IDLE TEST RESULTS

CELL NO=61 MODEL YR(S)=1975,1976

MAKE=TOYOTA MODEL=CORONA

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50020	0040	0020	0055	1	00.9	00.2	00.8	1	1000	1000	1	0080	0030	0060	00.9	00.2	00.8	0040	0120	0040	0820	0890
50024	0080	0040	0080	1	01.7	00.1	01.3	1	0900	0900	1	0080	0040	0060	00.7	00.2	00.9	0060	0170	0060	0880	0940
50030	0025	0025	0055	1	00.1	00.1	00.1	1	1050	1050	1	0090	0020	0050	00.1	00.2	00.1	0050	0120	0050	0980	1050
50047	0055	0045	0090	1	00.9	00.1	00.5	1	0900	0900	1	0060	0030	0050	01.2	00.3	00.8	0070	0260	0070	0860	0910
50046	0020	0020	0030	1	00.9	00.2	00.5	1	0950	0950	1	0060	0030	0060	01.1	00.3	01.0	0110	0210	0110	0890	0970
50049	0020	0020	0045	1	00.6	00.2	00.5	1	1000	1000	1	0060	0020	0040	00.7	00.3	00.6	0110	0190	0110	0900	0960
50050	0030	0020	0070	1	01.0	00.1	00.8	1	0900	0900	1	0060	0020	0050	01.1	00.2	01.2	0050	0150	0050	0850	0830
50089	0025	0020	0105	1	00.4	00.1	00.3	1	1050	1050	1	0040	0020	0070	00.4	00.1	00.3				0800	0860
50122	0010	0030	0010	1	00.6	00.5	00.6	1	1300	1400	2	0050	0030	0040	00.8	00.4	00.7				1140	1180
50135	0145	0080	0240	1	01.7	01.3	01.9	1	0900	0900	1	0190	0160	0230	01.3	01.9	01.3				0940	0900
50141	0050	0020	0050	1	01.2	00.3	00.8	1	1000	1000	1	0140	0030	0120	00.5	00.5	00.5	0020	0050	0020	0820	0860
50206	0045	0030	0180	1	00.8	00.4	00.6	1	1000	1000	1	0120	0050	0130	00.9	00.4	00.6				0810	0890
50218	0050	0030	0070	1	00.1	00.3	00.1	1	1000	1000	1	0080	0030	0120	00.1	00.3	00.1				0850	0900
50221	0040	0140	0060	1	00.7	00.5	00.7	1	0750	0750	1	0060	0020	0070	00.9	00.4	00.7				0870	0920
50253	0030	0025	0080	1	00.7	00.1	00.6	1	0800	0800	1	0050	0010	0050	01.1	00.1	01.0				0800	0820
50263	0035	0025	0075	1	00.5	00.2	00.4	1	1000	1000	1	0060	0030	0050	00.1	00.1	00.1				0820	0850
50264	0055	0145	0110	1	00.9	00.1	00.7	1	0800	0800	1	0240	0050	0210	00.3	00.3	00.4				0760	0820
50358	0035	0020	0055	1	01.0	00.1	01.0	1	0800	0800	1	0080	0030	0060	01.6	00.2	01.2				0780	0800
50375	0055	0050	0255	1	00.6	00.2	00.1	1	1000	1000	1	0070	0030	0070	00.8	00.4	00.6				0870	0920
50457	0030	0030	0050	1	00.6	00.1	00.6	1	1000	1000	1	0030	0020	0040	00.5	00.2	00.5	0040	0090	0040	0920	0980
50477	0015	0010	0040	1	00.0	00.0	00.0	1	0800	0800	1	0050	0020	0030	00.0	00.0	00.0	0060	0200	0060	0780	0810
50533	0040	0035	0180	1	00.6	00.5	00.4	1	0900	0900	1	0050	0040	0040	00.4	00.4	00.3	0080	0180	0060	0910	0900
54036	0035	0035	0060	1	00.9	00.1	00.8	1	1000	1000	1	0060	0030	0050	01.1	00.2	00.9	0070	0140	0080	0870	0970
54037	0145	0050	0135	1	01.1	00.1	01.0	1	0900	0900	1	0090	0020	0070	00.9	00.1	00.8	0050	0200	0060	0790	0840
60060	0040	0050	0095	1	00.7	00.2	00.5	1	0950	0950	1	0070	0020	0080	00.6	00.4	00.6	0020	0100	0030	0850	0900
60081	0035	0025	0060	1	00.7	00.1	00.6	1	1000	1000	1	0050	0020	0060	00.6	00.2	00.6	0050	0130	0060	0960	0960
60082	0025	0015	0030	1	00.6	00.2	00.6	1	0900	0900	1	0060	0020	0040	01.1	00.4	00.8	0060	0080	0060	0780	0830
60402	0015	0020	0025	1	00.0	00.0	00.0	1	0850	0850	1	0030	0020	0030	00.2	00.1	00.1				0830	0890
60407	0015	0010	0030	1	00.0	00.0	00.0	1	0750	0750	1	0010	0020	0010	00.0	00.0	00.0				0880	0900
60425	0175	0075	0210	1	03.0	00.7	02.9	2	0800	0800	1	0240	0120	0220	02.8	02.5	02.9				0750	0770
60487	0020	0015	0110	1	00.8	00.2	00.7	1	0650	0650	1	0060	0020	0050	01.4	00.4	01.1	0040	0060	0040	0810	0860
60492	0050	0035	0145	1	01.1	00.3	00.9	1	0850	0850	1	0100	0050	0090	01.1	00.5	00.9	0050	0090	0040	0780	0860
60548	0060	0055	0140	1	00.7	00.3	00.6	1	0800	0850	1	0060	0020	0070	00.6	00.3	00.5	0050	0090	0060	0760	0820
60599	0085	0035	0080	1	00.5	00.3	00.3	1	0900	0900	1	0090	0030	0060	00.1	00.4	00.1	0060	0180	0060	0850	0890
60672	0010	0040	0045	1	00.2	00.2	00.3	1	0900	0900	1	0020	0020	0020	00.6	00.3	00.5	0060	0120	0060	0870	0940
60676	0030	0015	0075	1	01.1	00.1	00.9	1	0900	0900	1	0090	0030	0060	01.7	00.2	01.2	0060	0150	0060	0780	0860
60725	0270	0125	0350	1	02.6	01.1	02.3	1	0850	0850	1	0400	0130	0430	01.2	01.3	01.6	0080	0230	0110	0650	0750
64002	0030	0020	0045	1	01.0	00.4	00.9	1	1100	1100	1	0060	0020	0030	01.1	00.4	00.9				0980	1050
64049	0030	0030	0040	1	00.7	00.1	00.6	1	1000	1000	1	0060	0020	0040	01.3	00.3	01.0	0080	0130	0080	0860	0930

APPENDIX C - IDLE TEST RESULTS

CELL NO=62 MODEL YR(S)=1977

MAKE=TOYOTA MODEL=CORONA

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
70062	0035	0025	0110	1	00.3	00.1	00.1	1	1100	1100	1	0080	0020	0070	00.5	00.3	00.5	0100	0140	0060	0850	0910
70063	0090	0050	0170	1	00.2	00.2	00.2	1	0800	0800	1	0110	0030	0150	00.4	00.3	00.3	0100	0140	0090	0750	0810
70076	0025	0050	0080	1	00.6	00.1	00.7	1	0900	0900	1	0040	0020	0060	00.6	00.3	00.5	0050	0120	0060	0850	0880
70111	0020	0075	0040	1	00.5	00.3	00.5	1	1050	1050	1	0050	0100	0050	01.1	00.6	01.0	0050	0170	0030	0850	0890
70114	0025	0030	0040	1	00.5	00.2	00.7	1	0800	0800	1	0080	0020	0060	00.8	00.4	00.9	0040	0080	0030	0800	0800
70138	0035	0030	0100	1	00.3	00.1	00.3	1	1050	1000	1	0050	0020	0070	00.1	00.3	00.1				0890	0920
70198	0055	0045	0060	1	00.6	00.1	00.6	1	0900	0900	1	0060	0020	0050	00.6	00.2	00.5				0850	0900
70199	0065	0150	0080	1	01.1	00.2	00.9	1	0880	0880	1	0100	0030	0090	01.2	00.4	01.1				0750	0790
70203	0020	0015	0030	1	00.4	00.2	00.4	1	0700	0700	1	0030	0010	0030	00.7	00.3	00.6				0710	0840
70204	0030	0025	0075	1	00.6	00.3	00.2	1	0480	0480	1	0060	0020	0070	01.0	00.3	00.8				0780	0860
70255	0025	0030	0070	1	00.3	00.2	00.1	1	1050	1050	1	0040	0020	0040	00.8	00.3	00.6				1000	1020
70256	0020	0025	0050	1	00.1	00.1	00.1	1	0800	0800	1	0010	0010	0030	00.7	00.3	00.7				0820	0850
70265	0035	0070	0060	1	00.9	00.4	00.9	1	1000	1000	1	0050	0030	0060	00.9	00.4	00.8				0930	0970
70303	0020	0020	0065	1	00.8	00.1	00.7	1	0400	0400	1	0060	0020	0070	00.9	00.3	00.8				0820	0880
70310	0030	0030	0170	1	00.4	00.4	00.5	1	0800	0800	1	0060	0020	0080	01.3	00.3	00.9				0760	0810
70332	0025	0035	0065	1	00.7	00.7	00.7	1	0850	0850	1	0060	0040	0090	00.6	00.4	00.5				0760	0830
70336	0050	0030	0080	1	00.6	00.2	00.6	1	0900	0900	1	0090	0030	0080	00.6	00.4	00.5				0850	0900
70338	0075	0050	0145	1	00.6	00.3	00.2	1	0800	0800	1	0130	0060	0140	00.3	00.5	00.2				0750	0810
70347	0020	0010	0050	1	00.4	00.1	00.3	1	1050	1050	1	0050	0020	0050	00.5	00.3	00.4				0910	0970
70405	0035	0020	0085	1	00.6	00.1	00.5	1	0950	0950	1	0060	0030	0080	00.4	00.4	00.4				0820	0870
70430	0025	0055	0085	1	00.7	00.6	00.6	1	0800	0800	1	0060	0020	0080	00.8	00.3	00.7	0050	0070	0040	0800	0820
70431	0045	0030	0090	1	00.9	00.2	00.9	1	0850	0850	1	0070	0040	0070	00.8	00.3	00.6	0040	0090	0040	0840	0870
70436	0050	0060	0110	1	00.3	00.5	00.3	1	0800	0800	1	0070	0030	0070	00.4	00.3	00.3	0070	0130	0070	0810	0800
70451	0025	0015	0075	1	00.7	00.2	00.6	1	0900	0900	1	0040	0020	0050	00.6	00.2	00.6	0040	0080	0040	0800	0860
70518	0060	0065	0080	1	00.8	00.4	00.7	1	0850	0850	1	0080	0030	0080	00.7	00.4	00.6	0040	0130	0040	0790	0850
70538	0015	0010	0060	1	00.9	00.2	00.8	1	0800	0800	1	0060	0020	0050	00.9	00.3	00.8	0050	0080	0050	0800	0820
70539	0050	0060	0075	1	00.6	00.2	00.6	1	1100	1100	1	0060	0020	0050	00.9	00.3	00.7	0060	0100	0050	0930	0970
70545	0140	0130	0165	1	00.7	00.2	00.7	1	0850	0850	1	0080	0030	0080	00.7	00.3	00.7	0040	0110	0040	0830	0830
70551	0030	0025	0105	1	00.6	00.4	00.3	1	1200	1200	1	0050	0020	0050	00.5	00.3	00.5	0050	0100	0060	0970	1060
70559	0025	0025	0050	1	00.9	00.6	00.9	1	0850	0850	1	0060	0030	0050	01.1	00.4	01.0	0050	0090	0050	0760	0800
70573	0065	0050	0095	1	00.6	00.6	00.7	1	1100	1100	1	0070	0020	0060	00.9	00.3	00.5	0050	0120	0050	0760	0810
70592	0030	0190	0105	1	01.0	00.2	01.0	1	0850	0850	1	0080	0030	0080	00.9	00.3	00.8	0060	0120	0070	0810	0850
70636	0035	0030	0080	1	00.7	00.4	00.7	1	0850	0850	1	0020	0010	0020	00.4	00.3	00.4	0040	0060	0040	0850	0900
70641	0070	0035	0150	1	01.4	00.3	01.2	1	0600	0600	1	0100	0030	0090	01.6	00.3	01.2	0060	0080	0060	0690	0720
70644	0090	0045	0200	1	00.1	00.3	00.1	1	0650	0600	1	0120	0040	0090	00.1	00.3	00.1	0060	0110	0070	0880	0900

APPENDIX C - IDLE TEST RESULTS

CELL NO=63 MODEL YR(S)=1975,1976

MAKE=CADILLAC MODEL=CALAIS DEVILLE

	DEQ IDLE TEST											HTS IDLE TEST										
	HC				CO				RPM			HC			CO			NOX			RPM	
EPA NO	1ST	2500	2ND	S	1ST	2500	2ND	S	1ST	2ND	S	1ST	2500	2ND	1ST	2500	2ND	1ST	2500	2ND	1ST	2ND
50006	0090	0040	0320	1	00.0	00.0	00.5	1	0850	0850	1	0100	0030	0060	00.0	00.0	00.0	0100	0120	0100	0750	0760
50091	0030	0040	0060	1	00.0	00.9	00.0	1	0900	0900	1	0050	0070	0080	00.0	01.8	00.0				0880	0890
50129	0115	0375	0150	1	00.4	01.2	00.8	1	0850	0850	1	0120	0050	0070	00.0	00.0	00.0				0720	0780
50200	0035	0060	0025	1	00.0	01.0	00.1	1	0700	0700	1	0110	0070	0090	00.0	01.9	00.0				0800	0840
50212	0030	0030	0035	1	00.0	00.1	00.0	1	0750	0750	1	0030	0030	0040	00.0	00.6	00.0				0950	0880
50270	0150	0090	0260	1	00.8	02.0	00.8	1	0800	0800	1	0140	0070	0190	00.0	01.9	00.6				0830	0850
50287	0020	0040	0045	1	00.0	01.6	00.0	1	0750	0750	1	0050	0030	0020	00.0	02.2	00.0				0630	0700
50339	0020	0025	0060	1	00.0	00.0	00.0	1	0700	0700	1	0170	0100	0130	00.0	00.0	00.0				0700	0750
50345	0060	0090	0110	1	00.0	03.4	00.1	1	0800	0800	1	0100	0090	0140	00.0	03.1	00.0				0800	0780
50350	0095	0075	0135	1	01.8	03.1	02.2	2	0750	0750	1	0030	0040	0080	00.0	02.3	00.9				0780	0850
50409	0090	0125	0075	1	00.0	00.0	00.0	1	0700	0700	1	0340	0100	0170	03.3	00.3	00.0	0110	0110	0120	1050	0910
50410	0190	0150	0140	2	01.8	03.2	01.5	2	1150	1150	2	0120	0070	0160	00.2	01.5	00.7	0095	0200	0110	0930	1050
50411	0210	0150	0340	2	01.6	00.6	01.8	2	0750	0750	1	0030	0030	0170	00.0	00.4	00.9	0080	0130	0070	0730	0780
50476	0285	0125	0330	2	03.7	00.1	03.5	2	0700	0700	1	0540	0100	0440	01.9	00.7	03.4	0100	0230	0120	0770	0810
50486	0270	0120	0345	2	01.8	03.1	02.9	2	0800	0800	1	0360	0110	0460	02.7	02.3	01.0	0090	0130	0080	0790	0760
50492	0220	0100	0265	2	02.6	00.6	02.8	2	0900	0900	1	0240	0070	0220	00.2	01.8	00.5	0110	0210	0120	0690	0720
50506	0055	0035	0110	1	00.0	00.1	00.0	1	0900	0850	1	0230	0100	0160	00.0	00.1	00.0	0130	0200	0130	0800	0810
50510	0185	0155	0255	1	01.3	00.1	01.6	2	0800	0800	1	0480	0160	0380	01.1	00.7	00.3	0090	0220	0080	0730	0770
56026	0445	0100	0390	2	01.8	01.9	02.3	2	0650	0650	1	0410	0040	0310	00.4	00.8	00.5	0060	0170	0070	0660	0660
56027	0295	0160	0295	2	02.2	04.4	03.3	2	0650	0650	1	0280	0120	0310	00.4	02.7	00.4	0070	0065	0060	0740	0730
56040	0420	0160	0460	2	04.7	01.0	04.6	2	0800	0800	1	0570	0140	0580	03.6	02.9	05.5	0100	0240	0130	0640	0690
60012	0030	0035	0035	1	00.0	00.0	00.0	1	0900	0900	1	0130	0020	0050	00.0	00.0	00.0	0100	0100	0110	0770	0880
60084	0130	0095	0180	1	00.1	00.0	00.7	1	0950	0950	1	0190	0020	0180	00.3	00.0	00.5	0060	0100	0060	0850	0870
60172	0205	0045	0245	2	01.8	00.0	01.9	2	0700	0700	2	0400	0030	0410	00.5	00.0	01.0				0750	0760
60181	0110	0085	0065	1	01.0	00.0	00.3	1	0800	0800	1	0120	0060	0080	00.1	00.0	00.0				0860	0870
60253	0045	0080	0150	1	00.1	01.0	00.3	1	1000	1000	1	0030	0030	0030	00.0	00.6	00.0				0910	0900
60283	0260	0150	0265	2	01.1	01.6	01.1	2	0750	0750	1	0300	0100	0290	00.9	01.4	01.0				0810	0850
60352	0140	0050	0125	1	01.3	00.0	01.1	2	0700	0700	1	0070	0010	0060	00.0	00.0	00.0				0710	0760
60392	0045	0055	0065	1	00.0	00.0	00.0	1	0900	0900	1	0130	0050	0070	00.0	00.1	00.0				0880	0910
60469	0025	0065	0100	1	00.0	01.8	00.2	1	0800	0800	1	0050	0030	0040	00.0	00.8	00.0	0100	0140	0100	0850	0850
60523	0410	0455	0525	2	03.6	00.7	03.4	2	0800	0800	1	0550	0110	0520	01.7	00.0	02.4	0090	0200	0100	0800	0820
60621	0260	0175	0120	1	00.0	00.0	00.0	1	0750	0750	1	0300	0100	0170	00.1	00.1	00.0	0100	0200	0100	0800	0780
60730	0060	0075	0060	1	00.0	00.0	00.0	1	0900	0900	1	0090	0040	0050	00.0	00.0	00.0	0120	0160	0140	0820	0910
64052	0200	0120	0340	1	00.1	02.4	00.4	1	0850	0850	1	0340	0060	0200	01.0	00.1	00.1	0200	0260	0200	0730	0770
66046	0480	0115	0530	2	05.5	00.7	05.6	2	0800	0800	1	0500	0090	0470	06.7	00.0	06.9	0120	0200	0120	0640	0640

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

Legend

HI(LAB) - 52 MPH Test using Laboratory Analyzers

HI(GAR) - 52 MPH Test using Garage Analyzer

LO(LAB) - 25 MPH Test using Laboratory Analyzers

LO(GAR) - 25 MPH Test using Garage Analyzer

IDLE(LAB) - Idle Test using Laboratory Analyzers

IDLE(GAR) - Idle Test using Garage Analyzer

HC - Hydrocarbon Emissions in ppm (Hexane for GAR Measurements and Total HC for LAB Measurements)

CO - Carbon Monoxide in Percent

NOX - Oxides of Nitrogen in ppm

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                                             APPENDIX D - FEDERAL THREE-MODE TEST RESULTS
CELL NO=01     MODEL YR(S)=1975,1976
   MAKE=AMC                             MODEL=GREMLIN HORNET PACER

EPA NO      ---HI (LAB)---       HI (GAR)        ---LO (LAB)---       LO (GAR)        --IDLE (LAB)--        IDLE(GAR)
           HC     CO    NOX      HC   CO        HC     CO    NOX      HC   CO        HC     CO    NOX      HC    CO LAB
50062   0586.5 00.1 0571.9   0030 00.1     1787.6 00.7 1134.7    0110 00.8     0987.9 00.1 0171.7    0070 00.2 DEQ
50062   0292.1 00.1 0712.9   0150 00.2     1642.6 00.5 1464.4    0300 00.9     1156.4 00.2 0186.9    0280 00.4 HTS
50094   1680.4 02.2 1740.0   0080 02.4     2311.6 02.3 0937.1    0145 02.2     1821.3 01.0 0169.2    0125 01.2 DEQ
50094   1513.6 01.3 1885.0   0210 01.6     2041.8 01.8 0986.9    0290 02.1     2164.8 01.9 0151.6    0325 02.3 HTS
50146   0840.8 00.1 1192.2   0060 00.1     1643.6 00.1 2502.8    0145 00.2     1848.9 00.1 0386.8    0200 00.1 DEQ

50146   0820.3 00.1 1472.8   0050 00.1     1780.7 00.1 2428.2    0120 00.1     1747.7 00.1 0381.0    0130 00.1 HTS
50149   0767.3 00.1 0797.0   0050 00.2     1334.2 00.1 1544.9    0095 00.2     5011.7 08.5 0074.2    0320 08.6 DEQ
50149   1699.6 00.2 0639.0   0100 00.3     2488.8 00.2 1244.4    0150 00.3     5764.7 08.4 0181.9    0340 08.3 HTS
50154   0552.6 00.1 2290.2   0040 00.2     1153.2 00.2 1397.3    0080 00.3     2087.9 03.3 0121.7    0140 03.2 DEQ
50154   1069.5 00.3 1776.8   0070 00.4     1657.6 00.6 1083.9    0120 00.7     2764.9 04.6 0096.8    0190 03.6 HTS

50197   0957.3 00.8 0539.4   0055 00.7     2204.3 03.1 0466.9    0110 02.8     3602.2 07.4 0066.7    0215 07.6 DEQ
50197   0907.4 00.6 0485.8   0050 00.6     2089.7 03.1 0427.5    0120 03.1     4215.3 07.1 0074.9    0265 07.1 HTS
50209   1487.4 00.7 0584.4   0105 00.8     2109.4 01.9 0812.0    0145 02.0     1836.7 01.2 0134.2    0150 01.3 DEQ
50209   0520.3 00.3 0128.4   0050 00.4     0415.3 00.3 0126.0    0050 00.3     0364.3 00.2 0038.5    0050 00.3 HTS
50257   1567.0 00.7 0977.1   0105 00.8     3182.4 06.3 0229.2    0220 06.2     3462.3 06.0 0064.2    0240 06.1 DEQ

50257   1829.2 00.4 0937.2   0050 00.4     2615.6 03.0 0616.9    0170 02.6     2462.6 03.5 0075.8    0170 03.2 HTS
50258   0494.6 00.0 0364.3   0045 00.1     0280.1 00.0 1059.6    0040 00.1     0209.7 00.0 0316.8    0040 00.1 DEQ
50258   0033.0 00.0 0328.1   0030 00.0     0048.3 00.0 0791.6    0030 00.0     0048.3 00.0 0282.0    0030 00.0 HTS
50301   1649.6 01.0 1829.2   0120 01.1     2585.7 02.7 0726.2    0210 02.6     1921.9 00.9 0131.8    0140 00.9 HTS
50315   0900.2 00.1 0900.5   0020 00.0     3369.1 00.9 1635.8    0200 01.0     3628.9 03.9 0124.6    0210 04.0 HTS

50340   1070.3 00.2 2436.8   0040 00.2     1841.5 00.3 2004.8    0090 00.2     2777.8 03.2 0177.7    0150 03.5 HTS
50370   0828.6 00.3 0456.7   0050 00.4     2685.1 03.1 0359.7    0150 03.0     3725.5 04.9 0080.6    0200 05.0 HTS
50381   0305.3 00.1 0599.9   0000 00.1     1553.8 00.3 0743.1    0060 00.4     2860.4 01.9 0328.1    0140 02.0 HTS
50426   1599.7 01.0 0379.1   0070 01.0     1667.0 01.0 0794.0    0070 01.0     2765.6 04.5 0117.0    0140 04.5 HTS
50445   0352.6 00.2 0499.4   0020 00.2     1463.0 00.2 1007.9    0100 00.2     1239.7 00.1 0143.7    0090 00.1 HTS

50447   2093.2 01.0 0709.5   0100 01.0     2652.8 01.1 1442.5    0140 01.0     4548.5 07.0 0095.9    0250 07.2 HTS
50469   0435.2 00.1 1709.9   0020 00.1     1102.1 00.1 1098.7    0060 00.1     3590.3 08.0 0076.8    0170 08.1 HTS
50524   0944.9 00.1 1240.5   0040 00.1     1226.4 00.2 1206.5    0090 00.3     1976.1 02.1 0061.2    0150 02.0 HTS
54021   0275.1 00.1 0339.3   0025 00.1     0707.1 00.1 0869.6    0050 00.2     0835.8 00.1 0226.7    0070 00.1 DEQ
54021   0289.1 00.0 0407.1   0030 00.2     1162.4 00.3 1146.3    0080 00.4     1507.6 00.2 0454.7    0130 00.3 HTS

56008   1295.4 00.6 1047.1   0080 00.6     2309.5 02.9 1094.7    0160 02.6     5001.7 08.9 0046.7    0280 08.4 DEQ
56008   1444.6 04.1 0633.1   0200 01.2     2603.0 03.3 0845.6    0270 03.6     5328.1 09.6 0051.2    0400 10.0 HTS
60001   0272.0 00.1 1342.3   0015 00.0     0514.1 00.0 1072.1    0020 00.0     0189.3 00.1 0071.7    0020 00.1 DEQ
60001   0388.2 00.0 1707.3   0045 00.0     0844.3 00.0 1484.9    0090 00.1     0298.1 00.2 0098.0    0045 00.3 HTS
60102   0470.1 00.1 1845.0   0040 00.1     0712.2 00.1 1067.1    0060 00.1     0454.8 00.3 0096.7    0045 00.3 DEQ

60102   0544.2 00.1 2236.0   0100 00.1     1366.5 00.1 1617.2    0230 00.1     0568.2 00.2 0146.8    0190 00.4 HTS
60220   0320.0 00.2 1900.0   0060 00.3     0883.7 00.1 1659.9    0105 00.1     0525.3 00.7 0079.2    0080 00.7 DEQ
60220   0298.1 00.3 1619.4   0050 00.1     0653.3 00.1 1312.8    0100 00.1     0532.2 00.7 0081.6    0170 00.8 HTS
60269   0604.9 00.2 1977.6   0040 00.2     1528.6 01.3 0734.5    0090 01.2     2330.0 03.3 0104.2    0120 02.4 DEQ
60269   0628.4 00.2 1902.9   0050 00.1     1987.7 01.2 0803.7    0140 01.4     2359.8 02.6 0109.7    0170 02.4 HTS

60305   0546.7 00.1 1182.2   0040 00.2     1835.7 02.1 0779.5    0140 02.0     2351.4 04.0 0081.7    0160 03.8 DEQ
60305   0424.2 00.1 1146.4   0040 00.1     1633.6 00.6 0924.4    0140 00.7     2413.9 02.6 0136.5    0200 02.8 HTS
60416   0274.7 00.1 0553.8   0010 00.1     2184.2 01.3 0371.8    0080 01.3     2257.6 00.7 0187.4    0090 00.6 HTS
60440   0156.8 00.1 1399.5   0000 00.1     1365.1 00.2 1010.3    0080 00.1     1438.6 00.2 0229.6    0100 00.2 HTS
60466   1931.1 01.4 2237.5   0090 01.6     2809.0 02.6 1086.7    0160 02.8     3958.8 05.8 0110.3    0230 06.0 HTS

60500   1963.9 00.9 2109.2   0060 00.6     2965.8 01.4 1264.8    0120 01.2     2306.1 00.5 0180.1    0100 00.5 HTS
60514   0960.2 00.5 1657.9   0020 00.4     1755.8 00.5 1160.4    0080 00.5     1660.9 00.2 0289.3    0080 00.1 HTS
60541   1307.0 00.5 1363.7   0050 00.5     2709.4 02.0 1065.2    0150 02.0     1380.0 00.1 0282.2    0060 00.1 HTS
60653   0208.8 00.1 0957.8   0020 00.1     1466.1 00.3 0945.9    0100 00.3     1438.6 00.2 0224.9    0110 00.2 HTS
64004   1160.5 00.4 2077.6   0040 00.4     1563.7 00.5 1715.0    0080 00.5     1063.9 00.1 0431.8    0070 00.1 DEQ

64004   1455.6 00.8 1815.5   0070 00.6     1942.7 00.8 1720.4    0110 00.8     1453.5 00.1 0457.2    0105 01.5 HTS
64019   0128.0 00.1 0191.7   0025 00.1     0651.5 00.2 0356.8    0040 00.3     1733.5 01.1 0171.7    0120 00.9 DEQ
64019   0094.2 00.1 0279.6   0025 00.1     0721.4 00.1 0362.1    0050 00.1     1954.7 01.1 0177.0    0130 01.0 HTS
66010   0416.0 00.1 1114.7   0035 00.1     0915.4 00.2 0827.0    0065 00.2     1372.0 02.1 0121.7    0100 01.9 DEQ
66010   1108.4 00.6 0702.8   0070 00.8     1738.7 01.7 0399.5    0120 02.0     1948.7 03.2 0083.8    0130 03.8 HTS

66014   0216.9 00.1 1642.4   0025 00.1     1053.3 00.1 1524.9    0060 00.2     1813.1 02.2 0094.2    0140 02.1 DEQ
66014   0247,3 00.1 1770.7   0030 00.1     0940.4 00.2 1395.8    0060 00.2     2671.8 02.6 0105.7    0130 02.5 HTS
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                              APPENDIX D - FEDERAL THREE-MODE TEST RESULTS
CELL NO=03    MODEL YR(S)=1975,1976,1977
   MAKE=AUDI VW                   MODEL=FOX DASHER
          ---HI (LAB)---     HI (GAR)       ---LO (LAB)---     LO (GAR)        --IDLE (LAB)--      IDLE(GAR)
EPA NO   HC     CO    NOX     HC   CO       HC     CO    NOX     HC   CO       HC     CO    NOX     HC   CO  LAB

50063  2480.1 00.9 1650.0   0135 01.0   3062.4 01.2 1077.2   0190 01.3   2942.5 04.2 0066.7   0140 03.7 DEQ
50063  3089.2 01.2 2316.1   0300 01.5   3109.2 01.7 0943.4   0370 02.2   3559.3 04.5 0071.7   0330 05.0 MTS
50078  2994.9 01.8 1692.5   0160 02.0   3062.4 01.5 0957.1   0200 01.7   3002.4 03.3 0076.7   0160 03.4 DEQ
50078  3159.1 01.7 2323.6   0300 02.1   3558.9 01.2 1386.8   0375 01.6   3039.2 03.1 0116.8   0300 03.2 MTS
50296  2465.7 00.4 2436.8   0140 00.5   2701.3 00.5 1031.8   0180 00.6   2588.1 02.9 0092.8   0130 03.0 MTS

50320  2829.8 00.6 0976.0   0110 00.6   2514.7 00.9 0660.6   0110 00.9   2321.9 02.8 0102.5   0090 02.6 MTS
50324  0248.6 00.1 1175.1   0020 00.1   0383.2 00.1 0403.9   0030 00.1   2270.6 00.1 0062.5   0210 00.2 MTS
50353  2493.2 00.7 2436.8   0058 00.6   2572.8 00.8 1303.6   0100 00.8   2092.4 01.3 0097.6   0080 01.2 MTS
50377  1777.2 00.3 2436.8   0070 00.3   2055.7 00.2 1830.1   0090 00.2   4815.1 01.9 0158.3   0140 02.0 MTS
50404  0654.0 00.9 1032.7   0040 00.8   0299.2 00.7 0318.4   0010 00.8   2576.0 04.7 0029.7   0140 04.6 MTS

50419  5714.7 03.2 2271.8   0220 03.2   5992.8 02.4 1320.6   1260 02.5   9992.8 02.5 0109.7   2000 02.6 MTS
50423  1383.5 00.3 2199.3   0060 00.3   1539.5 00.2 0981.7   0080 00.2   1781.2 01.1 0113.3   0080 01.2 MTS
50469  0144.6 00.0 0797.9   0000 00.0   0150.7 00.0 0788.3   0000 00.0   0227.2 00.0 0057.7   0000 00.0 MTS
50472  2171.9 01.0 2330.0   0100 01.0   2634.0 00.8 1230.8   0150 00.9   2419.8 02.9 0107.3   0100 02.8 MTS
56007  2021.5 00.8 2002.6   0130 00.7   2049.1 01.1 0569.4   0150 00.9   2030.7 02.4 0049.2   0150 02.1 DEQ

56007  2329.9 01.1 2025.9   0180 01.2   2452.5 01.2 0995.9   0200 01.3   2597.0 02.6 0108.9   0160 03.0 MTS
56010  1628.5 00.3 1126.2   0090 00.3   1635.4 00.3 0426.8   0085 00.3   2579.1 03.4 0079.2   0100 03.2 DEQ
56010  0907.4 00.2 1013.5   0080 00.2   0766.3 00.1 0294.3   0070 00.2   1768.7 02.3 0073.8   0100 02.1 MTS
56036  1708.0 00.2 2502.8   0100 00.2   1551.7 00.1 1209.7   0110 00.2   0813.3 00.2 0104.2   0070 00.2 DEQ
56036  1429.4 00.2 2397.4   0120 00.2   1720.0 00.1 1590.5   0155 00.2   1634.3 01.0 0110.3   0125 01.2 MTS

60141  2267.1 01.0 2502.8   0120 01.0   2486.2 01.4 1264.7   0155 01.5   2063.4 02.2 0119.2   0055 02.2 DEQ
60141  2161.7 00.8 2438.1   0120 01.0   2785.5 01.6 0884.5   0200 01.7   2491.8 03.2 0099.3   0130 03.2 MTS
60173  1211.6 00.2 2502.8   0070 00.3   1530.3 00.1 1695.0   0100 00.2   2029.7 01.3 0116.8   0110 01.5 DEQ
60173  1396.5 00.2 2511.5   0160 00.4   1987.8 00.1 1229.0   0220 00.3   2122.8 01.4 0121.8   0210 01.7 MTS
60248  1950.0 00.4 2502.8   0130 00.4   1943.9 00.2 1454.8   0135 00.2   2970.4 03.4 0079.2   0180 03.1 DEQ

60248  1950.8 00.6 2428.2   0140 00.7   2152.8 00.5 1172.8   0170 00.6   3319.1 03.7 0086.4   0200 03.8 MTS
60260  2587.4 00.8 2255.2   0150 00.8   2314.7 00.3 1384.7   0160 00.4   1239.2 00.6 0129.2   0090 00.7 DEQ
60260  2531.0 00.7 2259.2   0140 00.8   2671.8 00.3 1124.5   0140 00.4   1024.4 00.6 0110.6   0070 00.7 MTS
60293  4361.7 00.7 2065.1   0180 00.7   5811.3 01.2 0619.5   0245 01.1   3562.2 03.9 0054.2   0140 02.8 DEQ
60293  3395.7 00.7 1929.6   0160 00.8   4345.3 01.0 0745.5   0230 01.1   3795.5 03.7 0104.9   0220 03.0 MTS

60295  1901.0 00.6 2502.8   0100 00.7   1755.5 00.4 1649.9   0100 00.4   2559.8 02.9 0094.2   0150 02.9 DEQ
60295  1762.6 00.5 2436.8   0120 00.5   1987.7 00.4 1262.3   0145 00.5   2835.9 03.0 0126.7   0150 03.0 MTS
60567  3175.8 00.4 2436.8   0145 00.4   3755.5 00.4 1830.1   0200 00.4   3025.8 03.2 0112.2   0190 03.3 MTS
60570  1135.7 00.2 1148.8   0050 00.2   1230.6 00.2 0769.2   0080 00.2   1768.9 00.7 0253.5   0100 00.8 MTS
60578  0825.5 00.5 1182.3   0040 00.5   0742.5 00.3 0536.8   0040 00.3   1575.2 02.1 0100.0   0070 02.1 MTS

64057  3140.1 01.5 1948.6   0140 01.6   3020.1 00.8 1058.1   0150 00.9   2259.8 00.9 0127.0   0140 01.0 MTS
66015  2337.1 00.3 2502.8   0120 00.3   2306.4 00.2 1164.7   0120 00.2   2892.5 02.4 0074.2   0180 02.0 DEQ
66015  2443.9 00.6 2509.5   0140 00.6   2107.8 00.3 1101.2   0150 00.4   2519.0 01.9 0073.8   0140 01.8 MTS
66017  2606.7 01.0 2502.8   0140 01.0   2661.8 01.0 1497.4   0155 01.0   3462.3 05.4 0064.2   0160 05.8 DEQ
66017  0601.2 00.3 0725.3   0130 01.5   0640.2 00.5 0284.3   0180 02.0   0868.3 01.6 0033.7   0130 05.0 MTS

70027  2808.0 01.5 2422.8   0155 01.5   2561.2 01.7 0702.0   0190 01.6   2186.0 02.6 0096.7   0100 02.4 DEQ
70027  2645.0 01.5 2411.3   0370 01.9   2332.9 01.7 0444.9   0370 02.1   2254.9 02.1 0081.7   0340 02.5 MTS
70032  2780.4 01.2 2502.8   0155 01.3   2795.7 00.9 0844.5   0170 01.0   2584.3 02.4 0094.2   0130 02.4 DEQ
70032  2879.1 01.2 2511.5   0300 01.5   2587.1 01.1 0913.3   0350 01.5   2741.0 02.6 0089.2   0300 00.3 MTS
70067  2072.6 00.5 2502.8   0120 00.6   2394.3 00.3 0914.6   0180 00.5   2222.7 01.3 0081.7   0140 01.4 DEQ

70067  3698.9 01.4 2511.5   0350 00.6   4138.7 00.7 0652.8   0420 00.4   3139.2 01.0 0139.3   0360 00.4 MTS
70105  2504.6 01.4 0992.1   0170 01.4   2709.9 01.2 0912.1   0205 01.3   2682.3 03.4 0084.2   0155 03.1 DEQ
70105  2806.9 02.0 0792.1   0180 02.2   2575.8 01.6 0714.4   0190 01.5   2915.9 03.3 0111.4   0190 03.3 MTS
70205  2357.5 00.9 2502.8   0135 00.9   2480.1 00.8 1109.7   0165 00.9   2691.5 02.2 0099.2   0145 02.3 DEQ
70205  2662.8 01.0 2248.4   0160 01.2   2488.8 01.0 0471.2   0160 01.0   2401.8 01.6 0079.8   0130 01.6 MTS

70251  2716.0 01.6 2285.2   0120 01.2   2502.5 01.4 0644.4   0120 00.9   2682.6 02.3 0084.2   0130 02.4 DEQ
70251  2923.9 01.7 1711.2   0180 01.7   3055.8 01.5 0459.2   0200 01.5   2815.9 02.3 0090.3   0160 02.2 MTS
70478  3325.7 01.1 1405.5   0150 01.2   3345.7 00.7 0939.6   0150 00.7   3315.7 02.8 0107.3   0110 02.6 MTS
70568  2071.0 00.9 2436.8   0100 01.0   2150.3 00.8 0752.8   0120 00.8   3066.7 02.8 0095.2   0150 02.8 MTS
74011  2652.6 02.3 2232.7   0170 02.1   2689.4 02.2 0689.5   0185 02.0   2410.6 03.2 0094.2   0125 03.0 DEQ

74011  2347.9 01.6 2113.6   0160 01.7   2176.8 01.7 0615.0   0170 01.6   1738.7 01.9 0081.3   0100 01.9 MTS
76007  2621.2 01.6 2502.8   0165 01.4   2453.3 00.9 1577.4   0140 00.9   2677.2 00.1 0091.7   0135 03.1 DEQ
76007  2170.8 01.5 2509.5   0130 01.6   1561.8 01.4 0920.8   0130 01.5   2134.6 02.2 0159.0   0100 02.0 MTS
76031  2042.0 00.7 2502.8   0100 00.5   2513.8 01.2 1309.8   0145 01.2   4521.8 03.6 0114.2   0240 03.2 DEQ
76031  2227.7 00.7 2430.3   0110 00.7   2560.8 01.6 1291.1   0180 01.7   3875.5 02.9 0132.5   0300 03.0 MTS
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APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=04 MODEL YR(S)=1975,1976,1977

MAKE=HONDA MODEL=CIVIC

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50001	1044.1	00.6	2270.2	0070	00.5	0348.6	00.6	0334.3	0040	00.5	0682.6	01.0	0046.7	0060	01.0	DEQ
50001	1171.5	00.8	2469.4	0040	00.3	0343.1	00.6	0271.7	0030	00.3	0958.4	01.7	0083.8	0050	00.6	HTS
50018	0847.0	00.3	2417.8	0050	00.3	0715.2	00.4	0501.9	0050	00.5	1043.1	00.4	0091.7	0070	00.5	DEQ
50018	0769.3	00.3	2511.5	0220	00.5	1222.5	01.4	0617.7	0290	01.5	0928.4	00.5	0079.2	0250	00.7	HTS
50025	0755.1	00.2	2440.3	0050	00.2	1977.6	00.8	0924.6	0130	00.8	1582.3	00.3	0064.2	0110	00.4	DEQ
50025	0934.4	00.2	2340.3	0060	00.1	1579.6	01.2	0758.0	0120	01.3	1375.5	00.9	0071.6	0120	01.1	HTS
50028	0929.7	00.1	2502.8	0060	00.2	0546.7	00.5	0702.0	0050	00.6	0338.3	00.1	0109.2	0040	00.2	DEQ
50028	0481.2	00.2	1812.6	0160	00.4	0365.2	00.6	0537.6	0160	00.8	1321.5	00.1	0061.6	0230	00.2	HTS
50034	0608.0	00.4	2162.7	0040	00.4	0347.5	00.5	0456.9	0040	00.6	0807.1	01.2	0074.2	0060	01.2	DEQ
50034	0169.1	01.0	1083.7	0125	01.2	0241.1	01.4	0209.4	0150	01.6	0226.1	01.0	0074.2	0150	01.2	HTS
50037	0500.7	00.2	2105.1	0040	00.3	0451.5	00.5	0479.4	0040	00.5	0991.0	00.2	0096.7	0080	00.3	DEQ
50037	0457.3	00.2	2055.5	0040	00.2	0250.3	00.6	0412.4	0030	00.6	1136.6	00.4	0100.8	0100	00.5	HTS
50144	0917.5	00.2	2157.7	0055	00.3	0715.2	00.5	0499.4	0060	00.6	1864.2	01.4	0089.2	0160	01.5	DEQ
50144	0760.3	00.6	1800.5	0210	00.5	1006.4	00.8	0332.7	0300	01.2	2570.0	02.0	0100.9	0440	02.4	HTS
50157	0776.5	00.5	2110.2	0065	00.6	0565.1	00.8	0456.9	0060	00.9	1092.1	01.8	0079.2	0090	01.7	DEQ
50157	0715.3	00.7	1643.6	0050	00.8	1356.5	02.0	0414.8	0140	02.2	1210.5	01.2	0071.9	0130	01.3	HTS
50193	0932.8	00.5	2502.8	0085	00.6	0957.3	01.0	0476.9	0090	01.0	1367.9	00.2	0096.7	0140	00.3	DEQ
50193	1060.4	00.3	2428.2	0050	00.1	1756.7	01.2	1059.3	0160	01.3	1324.5	00.2	0093.7	0140	00.1	HTS
50279	1268.2	00.4	2502.8	0050	00.4	0770.4	00.8	0534.4	0060	00.9	1248.4	02.0	0069.2	0110	01.9	DEQ
50279	1333.5	00.9	2155.3	0120	00.9	1654.6	02.0	0476.1	0160	02.0	1376.3	02.0	0080.6	0140	01.9	HTS
50297	1058.1	00.4	2436.8	0080	00.4	1495.7	00.9	0946.9	0130	00.9	1342.7	00.2	0250.5	0130	00.2	HTS
50300	0403.3	00.6	2349.4	0050	00.6	0323.7	00.6	0296.6	0050	00.6	0782.7	00.5	0107.3	0075	00.5	HTS
50303	0756.4	00.8	1850.7	0050	00.5	1631.3	02.1	0430.2	0180	02.1	1560.9	01.7	0081.6	0180	01.8	HTS
50403	0559.3	00.6	1327.8	0020	00.6	2126.0	01.5	0335.4	0120	01.5	1061.2	00.2	0121.9	0050	00.3	HTS
50408	1120.4	01.1	1908.0	0060	01.0	1037.8	00.7	0372.9	0080	00.8	1352.9	00.3	0112.7	0110	00.2	HTS
50414	1052.9	00.3	2397.4	0060	00.4	0416.5	00.7	0363.3	0020	00.7	0683.0	00.8	0091.2	0040	00.8	HTS
50431	0935.7	00.7	2436.8	0050	00.8	0556.3	01.1	0415.5	0030	01.1	0834.7	00.6	0107.3	0050	00.7	HTS
50484	0609.6	00.7	1270.6	0040	00.8	0496.4	00.8	0244.0	0030	00.8	0946.1	01.7	0074.5	0050	01.7	HTS
50487	0634.0	00.9	1638.2	0040	01.0	0762.5	00.8	0270.2	0050	01.0	1573.2	00.6	0060.1	0120	00.8	HTS
50542	0752.1	00.6	2235.4	0050	00.6	0676.7	00.9	0359.7	0060	00.8	1015.3	01.6	0075.8	0080	01.5	HTS
54034	0505.2	00.2	2240.2	0050	00.3	0430.3	00.4	0589.4	0040	00.5	0733.6	01.2	0081.7	0060	01.4	DEQ
54034	0658.3	00.2	1767.6	0130	00.4	0262.1	00.4	0422.4	0140	00.7	0661.3	00.7	0084.2	0170	00.9	HTS
56011	0795.9	00.2	2502.8	0055	00.2	0416.0	00.5	0649.4	0040	00.5	0327.2	00.4	0101.7	0035	00.4	DEQ
56011	0151.1	00.3	0665.2	0040	00.8	0175.1	00.6	0103.8	0050	01.3	0223.1	00.4	0033.7	0100	00.4	HTS
60027	1113.5	00.1	2502.8	0075	00.2	1012.4	00.5	0792.0	0075	00.6	1340.3	00.5	0086.7	0110	00.5	DEQ
60027	0985.4	00.4	2430.3	0040	00.4	1051.5	00.9	0485.4	0050	00.9	1561.6	01.4	0103.3	0120	01.4	HTS
60043	1263.7	00.5	2340.3	0065	00.5	0942.0	00.6	0456.9	0080	00.6	0920.5	00.7	0099.2	0070	00.8	DEQ
60043	0217.1	00.1	0522.6	0075	00.3	0298.1	00.5	0189.4	0050	00.4	0280.1	00.1	0056.6	0050	00.1	HTS
60049	1027.8	00.1	2502.8	0070	00.2	0899.1	00.6	0714.5	0065	00.6	1404.6	01.2	0101.7	0110	01.1	DEQ
60049	0997.4	00.1	2511.5	0040	00.2	0841.3	00.7	0745.5	0140	01.0	1345.5	01.4	0089.2	0210	02.0	HTS
60052	1058.4	00.1	2502.8	0070	00.2	0470.1	00.3	0654.4	0045	00.4	1067.6	00.4	0096.7	0090	00.5	DEQ
60052	0916.4	00.4	2430.3	0050	00.1	1399.5	01.7	0699.6	0100	01.7	0913.4	00.4	0091.1	0050	00.1	HTS
60054	0997.1	00.2	2502.8	0050	00.3	1239.2	00.6	0566.9	0080	00.6	1462.8	00.3	0091.7	0105	00.4	DEQ
60054	0910.4	00.4	2356.2	0150	00.6	0628.2	00.8	0407.3	0170	01.0	1354.5	00.4	0084.2	0240	00.6	HTS
60228	1058.4	00.3	2502.8	0085	00.3	0617.2	00.7	0586.9	0060	00.7	0978.7	00.1	0096.7	0055	00.2	DEQ
60228	1117.5	00.2	2438.1	0080	00.3	0547.3	00.7	0450.6	0050	00.8	1192.5	00.1	0133.3	0120	00.2	HTS
60249	0644.8	00.7	1374.8	0065	00.7	1266.8	01.2	0324.3	0115	01.3	3562.2	03.2	0056.7	0320	03.1	DEQ
60249	0715.3	00.7	1375.6	0180	00.8	1753.7	01.8	0291.6	0130	02.0	2709.4	01.5	0079.2	0250	01.7	HTS
60296	1043.1	00.7	2205.2	0070	00.7	0344.5	00.4	0336.8	0050	00.4	1015.5	01.3	0084.2	0090	01.4	DEQ
60296	0859.4	00.7	1987.9	0080	00.3	1123.5	01.9	0330.6	0100	00.5	0634.4	00.3	0097.6	0070	00.1	HTS
60299	0785.7	00.6	2087.6	0060	00.6	0617.2	01.1	0284.3	0060	01.0	1036.9	01.5	0059.2	0090	01.3	DEQ
60299	0802.3	00.2	1955.8	0075	00.3	1993.8	01.1	0707.1	0160	01.1	1534.6	00.7	0072.1	0160	00.8	HTS
60303	1226.9	00.9	2502.8	0100	01.0	0822.5	01.3	0346.8	0090	01.4	1867.3	03.0	0064.2	0175	02.8	DEQ
60303	1354.5	00.6	2397.4	0130	00.7	2014.8	01.8	0652.8	0230	02.0	1657.6	00.9	0074.5	0180	01.0	HTS
60432	0960.2	00.4	2436.8	0050	00.4	1835.3	00.7	0578.1	0120	00.7	1330.4	00.8	0090.3	0100	00.8	HTS
60565	0985.8	00.5	1721.8	0070	00.6	0288.4	00.5	0329.9	0030	00.5	1190.8	00.1	0076.8	0100	00.1	HTS
64021	0920.5	00.2	2502.8	0050	00.3	1493.5	00.5	0526.9	0060	00.6	1481.2	00.2	0064.2	0050	00.3	DEQ
64021	0835.4	00.5	2313.5	0060	00.5	1393.5	00.7	0375.9	0080	00.8	1498.6	00.1	0117.9	0100	00.1	HTS
66037	1141.1	00.3	2502.8	0060	00.5	0583.5	00.8	0649.4	0050	00.9	0721.4	00.3	0104.2	0050	00.4	DEQ
66037	1096.4	00.7	2511.5	0050	00.1	0454.2	00.8	0439.9	0050	00.1	0853.3	00.1	0091.7	0050	00.1	HTS
70034	0320.0	00.2	1552.4	0030	00.2	0369.0	00.5	0564.4	0040	00.5	0396.6	00.1	0089.2	0040	00.2	DEQ
70034	0304.1	00.3	1469.4	0100	00.5	0313.1	00.7	0399.8	0120	00.9	0370.1	00.3	0089.2	0130	00.4	HTS
70036	0770.4	00.2	1792.5	0050	00.3	0730.5	00.7	0631.9	0055	00.7	0770.4	00.3	0084.2	0060	00.3	DEQ
70036	0616.4	00.5	1612.4	0050	00.5	1303.5	01.5	0560.9	0110	01.5	0847.4	00.5	0071.6	0080	00.6	HTS
70038	0911.3	00.3	2502.8	0065	00.4	0598.8	00.6	0636.9	0055	00.7	1000.2	00.3	0111.7	0070	00.4	DEQ
70038	0859.4	00.6	2430.3	0060	00.6	1738.6	01.6	0573.1	0120	01.7	1153.5	00.1	0098.4	0100	00.2	HTS
70072	0421.1	00.6	1184.7	0030	00.6	0362.9	00.8	0306.8	0040	00.8	0421.1	00.2	0101.7	0040	00.3	DEQ
70072	0388.2	00.6	1246.5	0180	00.8	0895.3	01.6	0364.7	0300	02.1	0421.2	00.1	0074.2	0300	00.1	HTS
70163	0638.6	00.4	1567.4	0055	00.6	0534.4	00.7	0439.3	0060	00.9	0791.8	00.5	0091.7	0050	00.6	DEQ
70163	0574.3	00.5	1446.1	0050	00.6	1372.5	01.6	0536.9	0125	01.6	1042.5	00.5	0084.7	0090	00.6	HTS
70175	0546.7	00.9	0814.5	0050	00.5	0503.8	00.9	0161.7	0050	01.0	0604.9	00.7	0059.2	0065	00.7	DEQ
70175	0406.2	00.7	1225.9	0070	00.8	0415.2	00.9	0231.3	0080	01.0	0556.2	00.4	0079.2	0060	00.5	HTS
74009	0584.5	00.2	1559.9	0040	00.3	0555.1	00.5	0802.0	0080	00.5	0394.6	00.1	0071.7	0035	00.1	DEQ
74009	0511.2	00.6	1259.1	0030	00.7	0367.1	00.8	0256.7	0020	00.9	0349.1	00.1	0078.8	0020	00.2	HTS
74019	0672.3	00.3	1217.2	0050	00.4	0675.4	00.5	0391.8	0060	00.6	0650.9	00.1	0076.7	0060	00.2	DEQ
74019	0517.2	00.4	1178.9	0150	00.6	0448.2	00.6	0289.6	0170	00.8	0469.2	00.2	0076.7	0180	00.3	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=05   MODEL YR(S)=1975,1976,1977

MAKE=HONDA   MODEL=CIVIC CVCC

EPA NO	---HI (LAB)--- HC	CO	NOX	HI (GAR) HC	CO	---LO (LAB)--- HC	CO	NOX	LO (GAR) HC	CO	--IDLE (LAB)-- HC	CO	NOX	IDLE(GAR) HC	CO	LAB
50056	0151.4	00.1	1382.3	0020	00.2	0335.3	00.2	0872.1	0030	00.3	1171.8	00.2	0119.2	0050	00.3	DEQ
50056	0076.2	00.1	1434.8	0040	00.0	0346.3	00.2	0945.5	0045	00.2	1411.5	00.4	0130.0	0090	00.4	HTS
50126	0215.6	00.2	1612.4	0030	00.2	0212.7	00.2	0546.9	0030	00.2	0611.0	00.2	0111.7	0040	00.3	DEQ
50126	0205.1	00.2	2013.0	0150	00.1	0142.1	00.1	0662.8	0160	00.1	0724.3	00.3	0126.8	0190	00.1	HTS
50211	0191.3	00.1	0777.0	0035	00.2	0399.6	00.2	0712.0	0045	00.3	1643.6	00.7	0131.7	0130	01.5	DEQ
50211	0544.3	00.3	1356.2	0050	00.4	0352.3	00.2	0600.1	0040	00.3	1003.4	00.3	0113.8	0060	00.4	HTS
50217	0108.5	00.1	0772.0	0020	00.1	0108.5	00.1	0399.5	0025	00.1	0577.3	00.2	0121.7	0040	00.3	DEQ
50217	0202.3	00.0	0816.5	0040	00.1	0088.2	00.1	0451.8	0030	00.0	0439.3	00.2	0104.1	0030	00.1	HTS
50240	0067.1	00.1	0802.0	0030	00.1	0369.0	00.3	0744.5	0030	00.3	0954.2	00.6	0099.2	0065	00.7	DEQ
50240	0100.0	00.0	0879.0	0015	00.1	0091.0	00.1	0661.8	0020	00.1	0604.2	00.3	0141.3	0040	00.1	HTS
50249	0065.6	00.0	0474.4	0035	00.1	0111.6	00.1	0541.9	0040	00.2	0847.0	00.3	0114.2	0080	00.3	DEQ
50249	0013.0	00.0	0797.9	0030	00.1	0016.0	00.0	0700.0	0035	00.1	0550.2	00.2	0076.8	0050	00.1	HTS
50269	0393.5	00.2	1820.0	0025	00.3	0663.1	00.2	0907.1	0045	00.3	5511.5	06.3	0066.7	0440	05.8	DEQ
50269	1033.6	00.3	2053.4	0050	00.3	1670.1	00.3	1024.5	0080	00.3	5894.6	06.0	0083.0	0300	04.5	HTS
50282	0087.1	00.1	1082.2	0020	00.2	0126.9	00.1	0506.9	0025	00.2	0623.3	00.3	0124.2	0035	00.3	DEQ
50282	0221.1	00.1	0769.2	0050	00.1	0358.7	00.2	0666.5	0060	00.2	1105.1	00.2	0100.7	0110	00.3	HTS
50306	0137.0	00.1	1250.2	0040	00.1	1642.6	00.8	0704.2	0100	01.1	3365.7	01.2	0187.4	0220	00.5	HTS
50321	0602.2	00.2	2436.8	0060	00.1	2012.8	01.0	1463.7	0150	01.1	9523.0	04.8	0100.0	1600	04.2	HTS
50326	0077.3	00.0	0692.8	0040	00.1	0055.9	00.0	0637.9	0040	00.1	0395.4	00.3	0129.4	0030	00.3	HTS
50329	0309.8	00.1	1432.9	0020	00.1	0263.9	00.1	0606.9	0020	00.1	0447.4	00.2	0112.7	0020	00.1	HTS
50375	0594.3	00.2	2397.4	0050	00.3	0285.3	00.2	0924.4	0025	00.2	3908.8	02.3	0143.7	0260	02.5	HTS
50395	0335.9	00.2	2436.8	0000	00.2	0978.5	00.2	1276.9	0010	00.2	1951.6	00.3	0155.8	0080	00.3	HTS
50397	0199.7	00.1	1261.0	0000	00.1	0239.4	00.1	0535.2	0000	00.2	1258.1	00.8	0105.5	0050	00.3	HTS
50536	0094.2	00.1	1631.2	0015	00.1	0060.5	00.1	0626.6	0010	00.1	0638.9	00.2	0102.5	0020	00.3	HTS
50539	0103.4	00.1	2034.0	0010	00.1	0106.4	00.1	0745.5	0010	00.1	1584.4	00.7	0199.5	0090	00.6	HTS
54026	1172.8	00.1	0942.1	0150	00.1	1166.7	00.2	0569.4	0110	00.2	2046.0	00.3	0109.2	0120	00.3	DEQ
54026	0220.1	00.1	1203.9	0040	00.3	0499.2	00.2	0800.5	0030	00.2	2509.4	00.0	0191.5	0070	00.3	HTS
54033	0223.0	00.1	1980.1	0020	00.2	0207.7	00.1	0862.0	0020	00.2	0590.7	00.1	0084.2	0040	00.2	DEQ
54033	0319.1	00.2	2163.7	0080	00.2	1612.6	01.0	0737.8	0150	01.2	9996.0	11.1	0033.7	2000	10.0	HTS
60105	0163.7	00.1	0734.5	0020	00.2	0120.8	00.1	0421.8	0020	00.2	0439.5	00.2	0121.7	0030	00.3	DEQ
60105	0082.2	00.1	1205.9	0030	00.1	0256.3	00.2	1047.7	0040	00.2	0664.4	00.2	0122.7	0050	00.2	HTS
60106	0274.0	00.2	1214.7	0020	00.2	0280.1	00.2	0566.9	0020	00.3	0608.0	00.2	0124.2	0030	00.3	DEQ
60106	0328.3	00.2	1590.5	0040	00.2	0442.3	00.2	0772.7	0040	00.3	0814.4	00.2	0151.9	0060	00.3	HTS
60121	0442.5	00.2	1584.9	0030	00.2	0513.0	00.2	0897.1	0040	00.3	3422.3	00.5	0151.7	0270	00.8	DEQ
60121	0352.3	00.2	1515.1	0020	00.3	0844.4	00.2	1320.3	0040	00.3	3785.5	00.4	0103.3	0250	00.5	HTS
60187	0696.8	00.2	2215.2	0045	00.3	0709.1	00.2	1427.3	0035	00.3	4861.7	00.5	0124.2	0395	00.6	DEQ
60187	1363.5	00.2	1852.7	0080	00.3	0796.4	00.2	1018.3	0040	00.3	6194.5	00.7	0123.6	0400	00.8	HTS
60195	0111.6	00.1	0607.0	0020	00.2	0099.4	00.1	0426.8	0025	00.2	0562.0	00.2	0104.2	0035	00.3	DEQ
60195	0055.0	00.1	1035.2	0020	00.1	0199.1	00.2	0788.9	0020	00.1	0646.3	00.2	0108.2	0030	00.1	HTS
60244	1199.3	00.2	1224.7	0080	00.2	0623.3	00.2	0737.0	0055	00.3	1266.8	00.2	0131.7	0075	00.3	DEQ
60244	0115.1	00.1	1221.1	0035	00.1	0094.0	00.1	0624.8	0035	00.1	0709.3	00.2	0142.0	0050	00.3	HTS
60405	0912.4	00.2	2397.4	0025	00.1	1212.2	00.2	2397.4	0050	00.2	0946.1	00.2	0136.5	0050	00.2	HTS
60510	0646.3	00.2	2397.4	0020	00.2	0884.9	00.2	2397.4	0020	00.2	0936.9	00.2	0170.0	0030	00.2	HTS
60521	0669.5	00.2	1606.9	0020	00.2	0638.9	00.2	0430.0	0010	00.2	1070.3	00.2	0114.6	0020	00.2	HTS
60542	0219.7	00.2	1769.5	0000	00.1	0375.7	00.2	0932.3	0000	00.2	1250.9	00.3	0175.3	0050	00.3	HTS
60561	0262.5	00.1	0852.3	0020	00.1	0207.4	00.1	0459.2	0020	00.1	1890.4	00.5	0114.6	0090	00.6	HTS
60580	0106.4	00.1	1207.2	0010	00.1	0121.7	00.2	0663.0	0020	00.2	0443.0	00.2	0114.6	0020	00.2	HTS
60091	0137.0	00.1	1136.2	0015	00.1	0583.8	00.2	1376.4	0030	00.2	4197.1	04.5	0129.2	0220	04.6	HTS
64016	0186.2	00.1	0919.6	0025	00.2	0360.9	00.2	0461.9	0025	00.2	1954.1	00.7	0111.7	0130	00.7	DEQ
64016	0304.1	00.1	1497.1	0030	00.2	1234.5	00.2	0963.4	0040	00.2	2191.8	00.9	0113.9	0040	00.3	HTS
64059	0192.1	00.1	1094.9	0010	00.1	0972.4	00.7	0658.1	0020	00.7	0121.7	00.1	0138.9	0010	00.1	HTS
66009	0207.7	00.1	0829.5	0025	00.2	0413.0	00.2	0369.3	0020	00.2	0973.6	00.1	0079.2	0060	00.1	DEQ
66009	0094.0	00.1	0782.9	0030	00.2	0373.1	00.2	0356.9	0040	00.2	1027.4	00.1	0076.3	0060	00.2	HTS
70094	0044.2	00.1	1072.1	0020	00.2	0145.3	00.2	0762.0	0030	00.2	0418.0	00.1	0039.1	0035	00.1	DEQ
70094	0364.3	00.2	2151.2	0030	00.2	0712.4	00.2	1310.0	0040	00.3	1306.5	00.2	0138.2	0080	00.3	HTS
70125	0099.4	00.1	1144.7	0030	00.2	0188.2	00.2	0649.4	0030	00.2	0929.7	00.2	0089.2	0050	00.3	DEQ
70125	0112.2	00.1	1023.4	0020	00.2	0310.3	00.2	0529.2	0030	00.2	1114.5	00.2	0117.9	0060	00.3	HTS
70468	0432.1	00.2	1906.0	0020	00.2	0294.5	00.1	0671.3	0020	00.2	0441.3	00.2	0110.3	0020	00.2	HTS
70642	0066.7	00.1	1546.7	0010	00.1	0433.9	00.2	1381.2	0030	00.2	0375.7	00.2	0148.6	0040	00.2	HTS
70669	0106.4	00.1	2087.3	0000	00.0	0167.6	00.1	0698.4	0010	00.0	0397.1	00.2	0124.3	0010	00.0	HTS

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                                        APPENDIX D - FEDERAL THREE-MODE TEST RESULTS
CELL NO=06     MODEL YR(S)=1976,1977
   MAKE=DODGE PLYMOUTH          MODEL=CCLT ARROW
            ---HI (LAB)---     HI (GAR)         ---LO (LAB)---      LO (GAR)          --IDLE (LAB)--       IDLE(GAR)
EPA NO      HC    CO     NOX    HC    CO        HC     CO    NOX     HC    CO          HC     CO     NOX     HC    CO  LAB

60031   0782.6 00.1 2502.8   0045 00.1   1306.6 00.3 1359.8   0080 00.4   0850.0 03.1 0086.7   0050 02.9 DEQ
60031   1003.4 00.1 2252.6   0070 00.2   1261.5 00.4 0916.3   0080 00.5   0643.4 02.2 0066.7   0050 02.4 HTS
60040   1131.9 00.3 2180.2   0060 00.4   0886.8 00.4 0712.0   0050 00.5   0442.5 00.8 0076.7   0050 00.8 DEQ
60040   1387.5 00.3 2118.8   0075 00.4   1072.5 00.7 0531.7   0060 00.8   0685.4 01.1 0061.9   0055 01.2 HTS
60138   1291.3 00.1 2502.8   0055 00.2   1009.4 00.6 1049.6   0045 00.6   1839.7 03.0 0096.7   0060 02.6 DEQ

60138   1837.6 00.3 2248.4   0100 00.4   1297.5 00.4 1059.6   0060 00.4   0691.4 01.1 0104.1   0050 01.1 HTS
60142   1609.9 00.3 2502.6   0090 00.4   1383.2 01.0 0934.0   0070 00.9   2516.9 04.5 0079.2   0130 04.1 DEQ
60142   1834.6 00.3 2336.0   0110 00.5   1588.6 01.1 0721.6   0100 01.3   1933.7 03.1 0079.8   0130 03.1 HTS
60164   0791.8 00.1 1079.7   0040 00.2   1907.1 00.8 0727.0   0120 00.9   4671.8 07.6 0046.7   0240 07.6 DEQ
60164   0694.4 00.1 0828.6   0050 00.2   1483.6 00.6 0767.8   0090 00.7   1582.6 06.8 0030.2   0250 07.6 HTS

60236   0804.1 00.3 2135.2   0045 00.4   1760.1 01.5 0902.1   0110 01.6   2783.5 04.3 0076.7   0200 04.4 DEQ
60236   1102.5 00.3 2119.6   0070 00.4   2146.7 01.9 0767.8   0140 01.8   3215.7 04.3 0084.7   0210 03.5 HTS
60262   1165.6 00.4 1965.1   0050 00.4   0537.5 00.3 0586.9   0040 00.4   1086.0 03.6 0089.2   0050 03.6 DEQ
60262   1426.5 00.4 1696.6   0075 00.6   0808.4 00.6 0427.5   0050 00.8   0499.3 02.5 0084.7   0050 02.6 HTS
60266   1058.4 00.1 2160.2   0070 00.1   1631.4 00.6 1124.7   0110 00.7   5551.3 05.8 0049.2   0280 05.8 DEQ

60266   1582.6 00.1 2237.8   0100 00.2   2287.7 01.0 0726.1   0140 01.0   9992.8 06.8 0044.2   0650 06.0 HTS
60288   1812.1 01.4 2502.8   0150 01.7   2219.7 02.0 0967.1   0160 02.1   1272.9 00.5 0091.7   0090 00.6 DEQ
60288   1894.7 01.4 2436.8   0140 01.6   2188.7 01.4 1247.8   0140 01.6   1228.5 00.2 0102.5   0100 00.3 HTS
60311   1395.4 00.1 2502.8   0085 00.2   1453.5 00.4 1669.9   0100 00.5   1597.7 02.7 0101.7   0100 02.7 DEQ
60311   1200.1 00.1 2397.4   0100 00.1   1548.7 00.5 1418.6   0135 00.6   1533.4 02.6 0080.4   0120 03.0 HTS

60330   1328.0 00.3 2502.8   0100 00.4   1937.8 01.0 1272.2   0140 01.1   1738.6 03.8 0064.2   0100 03.3 DEQ
60330   1749.7 00.3 2436.0   0140 00.3   1630.3 01.1 1097.3   0120 01.1   4295.3 06.2 0063.6   0270 06.2 HTS
60368   2038.1 00.9 2397.4   0120 01.0   2276.7 01.9 0922.0   0130 02.0   1273.4 00.8 0086.4   0060 00.8 HTS
60391   0742.9 00.1 1289.0  •0040 00.2   1226.4 00.5 0959.0   0050 00.4   3815.5 06.7 0078.2   0200 05.8 HTS
60396   1911.8 00.5 2436.8   0100 00.6   1042.8 00.9 0866.2   0050 00.9   0859.2 02.0 0114.0   0050 01.6 HTS

60420   1462.0 00.4 2436.8   0050 00.4   1624.2 00.7 1468.0   0060 00.7   2435.1 02.0 0158.3   0120 02.0 HTS
60463   1778.1 00.1 2397.4   0100 00.1   1597.6 00.3 1055.7   0080 00.4   2133.0 03.1 0122.2   0110 03.0 HTS
60508   1781.2 00.5 2397.4   0150 00.1   2304.3 02.0 0814.6   0250 01.8   1227.5 02.9 0074.5   0140 03.0 HTS
60527   1085.6 00.1 1437.0   0080 00.1   1009.1 00.3 0354.8   0070 00.2   4775.1 05.3 0066.1   0230 05.2 HTS
60528   1261.1 00.1 1996.4   0075 00.1   2374.6 00.6 1077.2   0160 00.6   3309.1 02.9 0103.1   0280 02.7 HTS

60560   1468.1 00.4 2436.8   0080 00.5   2236.2 01.3 1548.7   0140 01.4   2266.8 02.4 0112.2   0120 02.5 HTS
60636   1279.5 00.2 2397.4   0060 00.3   1796.5 00.7 1122.5   0120 00.8   1264.2 02.5 0084.0   0080 02.2 HTS
66011   1148.3 00.1 1124.7   0060 00.1   1957.0 00.5 1197.2   0140 00.6   3902.1 06.1 0051.7   0240 05.8 DEQ
66011   0787.4 00.1 1075.0   0020 00.1   1429.5 00.3 0982.5   0030 00.2   3725.5 06.5 0039.4   0070 02.1 HTS
66028   1643.0 00.4 2502.8   0095 00.5   1573.2 00.8 1297.3   0085 00.9   2348.4 05.2 0101.7   0120 05.0 DEQ

66028   1789.7 00.4 2511.5   0250 00.7   2399.5 01.1 1216.4   0340 01.5   3588.9 05.8 0096.7   0390 01.7 HTS
70082   1306.6 00.1 1594.9   0105 00.2   1668.1 00.5 1337.3   0125 00.6   1413.8 00.2 0096.7   0110 00.2 DEQ
70082   1219.5 00.2 1880.2   0220 00.1   2041.8 00.4 1697.4   0320 00.6   1147.4 00.1 0064.2   0330 00.1 HTS
70171   1916.3 00.3 1674.9   0130 00.3   1953.1 00.8 0767.0   0135 00.8   4841.7 04.4 0054.2   0260 05.0 DEQ
70171   0943.4 00.2 0704.6   0060 00.3   2080.7 00.6 0852.9   0165 00.8   3475.6 04.1 0089.5   0200 04.2 HTS

70248   1781.5 00.4 0639.4   0130 00.5   1901.0 01.3 0667.0   0120 01.4   2660.9 03.6 0056.7   0180 03.5 DEQ
70248   1837.6 00.3 0650.9   0120 00.3   2096.2 01.0 0597.5   0130 01.0   3125.8 03.6 0080.6   0210 02.4 HTS
70401   0496.4 00.1 0408.7   0020 00.1   0615.7 00.3 0430.2   0040 00.3   0701.3 00.5 0093.6   0040 00.6 HTS
70459   0508.6 00.2 0506.6   0020 00.2   0548.4 00.4 0563.9   0030 00.4   2001.4 03.6 0076.8   0100 03.5 HTS
70530   2084.0 01.3 1693.1   0140 01.8   2178.8 02.0 0432.6   0140 02.2   4820.7 05.8 0062.5   0200 05.8 HTS

70533   0553.2 00.2 0803.7   0040 00.2   0519.5 00.3 0704.2   0030 00.3   2156.6 02.5 0087.9   0130 02.5 HTS
70565   1532.4 00.6 2436.8   0080 00.7   1921.0 01.3 1252.6   0120 01.4   1358.0 00.2 0303.9   0090 00.4 HTS
70600   1403.9 00.1 1446.7   0050 00.2   1529.3 00.5 1308.4   0095 00.5   2236.2 01.9 0095.2   0110 01.9 HTS
70601   1612.0 00.3 2436.8   0090 00.4   2346.4 02.1 0731.6   0140 02.0   2459.6 03.8 0090.3   0130 03.8 HTS
70612   0853.1 00.2 2101.9   0060 00.2   1379.4 00.7 0677.5   0100 00.8   0656.1 00.1 0039.4   0080 00.1 HTS

70618   1141.8 00.2 2397.4   0060 00.2   1460.0 00.4 1289.7   0090 00.6   0762.5 00.2 0088.8   0040 00.3 HTS
70637   0404.6 00.1 0444.5   0020 00.2   1658.8 01.1 0559.1   0080 01.2   4130.4 06.9 0062.5   0160 06.9 HTS
70649   1651.7 00.3 1619.0   0120 00.3   1642.6 00.8 1162.3   0100 00.8   1354.9 01.1 0121.9   0060 01.0 HTS
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APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=07   MODEL YR(S)=1975,1976

MAKE=DATSUN   MODEL=B210

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50002	0985.9	00.2	1484.8	0070	00.1	0964.5	00.1	0909.6	0085	00.1	0507.9	00.3	0046.7	0055	00.1	DEQ
50002	1021.4	00.4	1379.4	0050	00.2	1285.5	00.1	1096.2	0050	00.1	0649.3	00.3	0058.7	0050	00.1	HTS
50165	1511.9	00.3	2502.8	0110	00.3	0871.5	00.2	0644.4	0075	00.2	0764.2	00.9	0071.7	0075	01.0	DEQ
50165	1300.5	00.2	2428.2	0130	00.1	1543.6	00.1	1843.9	0170	00.1	0829.3	01.0	0079.2	0100	01.1	HTS
50210	0957.3	00.4	2057.6	0075	00.4	1300.5	00.1	2377.8	0125	00.2	1426.1	01.3	0174.2	0140	01.4	DEQ
50210	1081.4	00.4	1834.3	0100	00.5	1279.5	00.1	2114.3	0150	00.1	1504.6	01.1	0212.0	0170	01.2	HTS
50235	1518.0	00.2	2502.8	0090	00.2	1858.1	00.1	1577.4	0110	00.1	1049.2	00.6	0119.2	0060	00.4	DEQ
50235	1174.5	00.2	1363.7	0070	00.1	1615.6	00.1	0702.4	0120	00.1	1081.4	00.5	0091.2	0120	00.6	HTS
50244	1263.7	01.8	1922.6	0080	01.8	0963.4	00.3	0939.6	0080	00.4	0767.3	00.5	0074.2	0070	00.5	DEQ
50244	1138.5	00.2	2436.8	0100	00.3	0958.4	00.1	0920.2	0090	00.1	0958.4	00.5	0073.3	0100	00.6	HTS
50271	1202.4	00.3	2502.8	0100	00.4	1508.8	00.1	1619.9	0120	00.2	1110.5	00.2	0091.7	0090	00.3	DEQ
50271	1111.2	00.3	2397.4	0120	00.1	1661.9	00.3	2397.4	0186	00.1	1151.0	00.2	0115.0	0120	00.1	HTS
50334	1123.5	00.4	1982.0	0010	00.1	0450.5	00.2	0544.8	0020	00.2	0728.9	01.2	0064.9	0040	01.1	HTS
50343	1386.6	00.3	2397.4	0090	00.2	1328.4	00.2	1561.8	0100	00.1	1037.8	00.5	0117.4	0060	00.6	HTS
50392	2695.2	00.2	2436.8	0120	00.3	2227.0	00.2	1012.4	0100	00.2	1483.4	00.4	0090.3	0080	00.4	HTS
50398	1291.7	00.1	2397.4	0080	00.1	1068.4	00.1	1315.9	0060	00.1	0924.6	00.9	0081.6	0120	00.8	HTS
50483	1382.5	00.6	2266.9	0080	00.7	0889.8	00.3	0745.5	0060	00.3	1198.9	01.4	0073.3	0070	01.4	HTS
50485	0667.7	00.1	1936.7	0050	00.1	0640.2	00.1	1590.5	0050	00.1	0221.1	00.0	0095.9	0020	00.0	HTS
54019	1430.2	00.2	2502.8	0130	00.2	1656.9	00.1	2317.8	0150	00.1	0848.0	01.0	0099.2	0070	00.9	DEQ
54019	1141.4	00.1	2509.5	0040	00.1	1111.4	00.1	1492.1	0040	00.0	0592.2	00.1	0048.7	0030	00.0	HTS
54020	1203.4	00.3	2502.8	0090	00.3	1506.8	00.1	2207.7	0130	00.1	0710.2	00.2	0106.7	0070	00.2	DEQ
54020	1318.5	00.3	2498.4	0100	00.3	1120.5	00.1	1210.1	0090	00.1	0892.4	00.1	0089.4	0080	00.1	HTS
54031	1381.1	00.1	2502.8	0075	00.1	0946.1	00.1	0982.1	0060	00.1	0716.3	00.1	0089.2	0070	00.2	DEQ
54031	1441.5	00.2	2430.3	0100	00.2	1672.6	00.1	2216.1	0150	00.1	0985.4	00.1	0071.6	0100	00.2	HTS
54043	1368.2	00.2	2380.7	0090	00.2	1505.9	00.1	1187.0	0130	00.1	0952.2	00.3	0091.2	0080	00.3	HTS
56025	1208.5	00.2	2502.8	0080	00.3	1131.9	00.1	1272.2	0080	00.1	0991.0	00.6	0071.7	0090	00.6	DEQ
56025	1243.5	00.3	2430.3	0110	00.3	1555.6	00.1	1919.2	0150	00.1	1168.5	00.9	0061.9	0110	01.0	HTS
60007	1062.5	00.1	2502.8	0075	00.1	1071.7	00.1	1079.7	0080	00.1	1114.6	00.2	0066.7	0090	00.2	DEQ
60007	1021.4	00.1	2509.5	0130	00.2	0904.3	00.1	0970.9	0140	00.2	0838.3	00.2	0058.7	0150	00.2	HTS
60017	1190.1	00.1	2502.8	0090	00.2	1220.8	00.1	1154.7	0090	00.2	0727.5	00.3	0069.2	0070	00.3	DEQ
60017	1264.5	00.1	2430.3	0100	00.2	1264.5	00.1	1220.5	0100	00.2	0802.4	00.2	0161.7	0060	00.4	HTS
60023	1548.6	00.1	2502.8	0110	00.1	1306.6	00.1	1122.2	0100	00.1	0987.9	00.4	0089.2	0080	00.5	DEQ
60023	1297.5	00.1	2511.5	0220	00.2	1033.4	00.1	1073.7	0230	00.2	0811.3	00.7	0079.2	0220	00.8	HTS
60037	1153.4	00.1	2502.8	0085	00.0	1144.2	00.1	1217.2	0085	00.0	0834.7	01.0	0056.7	0065	00.3	DEQ
60037	1420.5	00.1	2511.5	0190	00.3	1306.5	00.1	1261.5	0200	00.3	1087.4	01.2	0076.7	0190	01.6	HTS
60039	1453.7	00.1	2502.8	0100	00.2	1312.7	00.2	1237.2	0100	00.2	0822.5	00.3	0064.2	0075	00.3	DEQ
60039	1306.5	00.1	2511.5	0190	00.2	1258.5	00.2	1461.9	0210	00.3	0721.3	00.2	0079.2	0180	00.4	HTS
60044	1196.3	00.1	2502.8	0090	00.1	1291.3	00.1	1084.7	0095	00.1	1343.4	01.3	0069.2	0100	01.5	DEQ
60044	1300.5	00.1	2430.3	0100	00.2	1957.7	00.1	1848.6	0170	00.1	1426.5	01.6	0066.7	0110	01.6	HTS
60059	1300.5	00.1	2502.8	0090	00.1	1634.4	00.1	1587.4	0120	00.1	1135.0	00.1	0091.7	0100	00.5	DEQ
60059	1354.5	00.1	2511.5	0180	00.2	1588.6	00.1	1441.9	0220	00.2	1147.4	01.1	0081.7	0200	01.3	HTS
60060	1478.2	00.3	2502.8	0110	00.4	1499.6	00.1	1447.3	0110	00.2	0862.3	00.9	0076.7	0070	00.9	DEQ
60060	1348.5	00.2	2430.3	0100	00.2	1804.6	00.1	2162.6	0150	00.1	0799.4	00.9	0122.7	0160	00.9	HTS
60065	1306.6	00.1	2502.8	0090	00.2	1803.0	00.1	1102.2	0100	00.2	1067.6	00.4	0069.2	0100	00.4	DEQ
60065	1411.5	00.1	2430.3	0110	00.2	1885.7	00.1	1135.3	0140	00.1	1756.6	00.5	0193.3	0120	00.5	HTS
60067	1432.2	00.1	2502.8	0100	00.1	1107.4	00.1	0554.4	0080	00.1	1070.7	00.5	0076.7	0090	00.5	DEQ
60067	1321.5	00.1	2430.3	0080	00.1	1816.6	00.1	1829.1	0150	00.1	1060.5	00.5	0069.2	0090	00.4	HTS
60070	1836.7	00.1	2502.8	0130	00.1	1312.7	00.1	0356.8	0100	00.1	1557.8	01.3	0056.7	0160	01.4	DEQ
60070	1585.6	00.1	2511.5	0180	00.1	0991.4	00.1	0439.9	0140	00.1	1603.6	01.3	0061.6	0200	01.5	HTS
60071	1263.7	00.1	2502.8	0090	00.2	1383.2	00.1	1697.5	0110	00.2	0850.0	00.6	0106.7	0080	00.8	DEQ
60071	1282.5	00.1	2511.5	0180	00.2	1789.7	00.1	1494.5	0240	00.2	1021.4	00.7	0086.7	0200	00.9	HTS
60196	0519.1	00.2	1404.8	0035	00.2	0678.5	00.2	0887.1	0050	00.2	1441.4	00.9	0091.7	0150	01.0	DEQ
60196	0541.2	00.2	1515.6	0210	00.4	0640.2	00.2	0822.7	0210	00.3	1471.6	00.8	0110.6	0310	01.1	HTS
60203	1251.4	00.2	2502.8	0065	00.1	1217.7	00.1	1349.8	0100	00.2	0981.8	00.5	0094.2	0095	00.6	DEQ
60203	1255.5	00.2	2438.1	0090	00.3	2083.7	00.1	1964.0	0170	00.1	1060.5	00.6	0099.3	0090	00.6	HTS
60204	1119.7	00.1	2035.1	0085	00.2	1248.4	00.1	0897.1	0100	00.2	1000.2	01.0	0071.7	0105	01.1	DEQ
60204	1045.4	00.1	1945.3	0180	00.1	1690.6	00.1	0861.4	0140	00.1	1144.4	01.0	0067.1	0100	01.0	HTS
60251	0733.6	00.2	1157.2	0055	00.3	1518.0	00.4	1374.8	0135	00.5	1600.7	00.6	0209.2	0175	00.6	DEQ
60251	0712.4	00.1	1232.2	0060	00.2	1564.6	00.1	1348.9	0160	00.1	1891.7	01.3	0286.5	0195	01.4	HTS
60256	1334.2	00.2	2502.8	0100	00.3	1021.6	00.2	0814.5	0085	00.2	1095.2	01.3	0079.2	0110	01.4	DEQ
60256	1348.5	00.1	2428.2	0110	00.1	1735.7	00.2	1554.2	0180	00.1	1114.4	01.3	0084.0	0100	01.5	HTS
60378	1235.6	00.1	2436.8	0070	00.1	1817.0	00.2	1849.5	0100	00.4	1050.6	00.8	0095.2	0050	00.8	HTS
60389	1160.2	00.1	2397.4	0100	00.2	1585.4	00.2	1640.6	0150	00.2	0900.2	00.6	0076.8	0080	00.6	HTS
60456	1512.0	00.3	2397.4	0100	00.4	2559.4	00.3	0910.1	0200	00.3	1929.7	01.5	0067.3	0140	01.6	HTS
60590	1490.6	00.2	2397.4	0080	00.2	1671.0	00.1	1041.4	0100	00.1	0976.7	00.5	0081.6	0060	00.6	HTS
60612	0869.6	00.1	1592.9	0040	00.1	1331.5	00.1	1595.3	0090	00.2	1363.5	01.7	0146.1	0100	01.8	HTS
64017	1191.2	00.1	2502.8	0080	00.1	1503.7	00.1	1514.9	0135	00.1	0550.8	00.3	0071.7	0050	00.3	DEQ
64017	1231.5	00.1	2329.1	0050	00.1	1489.6	00.1	1366.8	0060	00.0	0733.3	00.2	0056.2	0030	00.1	HTS
64028	0954.2	00.1	2502.8	0070	00.1	1321.9	00.1	0952.1	0110	00.1	1144.2	00.6	0071.7	0100	00.7	DEQ
64028	1192.5	00.1	2511.5	0150	00.1	1819.7	00.1	0960.9	0200	00.1	1387.5	00.4	0066.7	0180	00.1	HTS
64034	1500.6	00.1	2502.8	0100	00.1	1430.2	00.1	1557.4	0100	00.1	1151.4	01.0	0081.7	0090	00.9	DEQ
64034	1102.4	00.1	2509.5	0090	00.2	1498.6	00.1	1918.1	0150	00.1	0769.3	00.7	0063.7	0040	00.7	HTS
64042	1237.1	00.1	2502.8	0090	00.2	0900.1	00.1	0629.4	0070	00.2	0780.6	01.1	0064.2	0070	01.2	DEQ
64042	1222.5	00.1	2509.5	0135	00.2	1123.4	00.1	0590.0	0140	00.2	1249.5	01.5	0051.2	0175	01.5	HTS
66030	1643.6	00.1	2502.8	0100	00.2	1600.7	00.1	1187.2	0120	00.1	1233.0	00.1	0086.7	0110	00.1	DEQ
66030	1483.6	00.1	2430.3	0030	00.1	1483.6	00.1	1198.6	0030	00.1	1450.5	00.1	0186.0	0040	00.1	HTS
66031	1174.8	00.1	2502.8	0090	00.2	1021.6	00.1	0992.1	0080	00.2	0571.2	00.8	0091.7	0060	00.9	DEQ
66031	1363.5	00.1	2511.5	0180	00.2	1087.4	00.1	0853.2	0170	00.2	0664.3	00.8	0099.2	0140	01.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=08   MODEL YR(S)=1977

MAKE=DATSUN   MODEL=B210

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70099	1763.1	01.1	2502.8	0125	01.1	1462.8	00.6	1387.3	0115	00.6	0886.8	00.4	0111.7	0080	00.5	DEQ
70099	1237.5	01.2	1528.8	0060	01.4	1471.6	00.7	0884.5	0100	00.9	0991.4	00.4	0082.2	0075	00.6	HTS
70100	1536.4	00.6	2502.8	0110	00.7	1104.4	00.4	1097.2	0070	00.5	0860.7	00.9	0096.7	0060	01.0	DEQ
70100	1540.6	01.0	2428.2	0180	01.1	2080.8	01.3	1547.0	0280	01.5	0739.3	01.2	0086.4	0170	01.4	HTS
70101	1416.9	00.4	2502.8	0110	00.5	1297.4	00.2	0767.0	0090	00.2	1778.4	01.6	0059.2	0140	01.6	DEQ
70101	1606.6	00.8	2438.1	0100	01.0	2666.0	01.1	1285.7	0200	01.5	1886.3	01.6	0067.7	0120	01.9	HTS
70115	1613.0	00.3	2202.7	0130	00.4	1162.6	00.4	0762.0	0100	00.5	0871.5	00.7	0066.7	0080	00.8	DEQ
70115	1027.4	00.3	2191.6	0250	00.5	1111.4	00.3	0731.0	0220	00.5	0997.4	00.7	0074.4	0230	00.9	HTS
70127	0991.0	00.4	2130.2	0050	00.2	0491.5	00.1	0561.9	0070	00.2	0176.0	00.0	0019.1	0030	00.0	DEQ
70127	0838.4	00.1	2430.3	0070	00.1	0466.3	00.1	0833.5	0060	00.1	0442.3	00.5	0020.5	0050	00.6	HTS
70140	1239.2	00.2	2502.8	0050	00.3	1508.8	00.2	1962.6	0130	00.2	1649.8	01.6	0111.7	0150	01.5	DEQ
70140	1300.5	00.3	2511.5	0210	00.5	1576.6	00.2	1730.0	0290	00.3	1915.7	01.6	0151.8	0320	01.9	HTS
70166	1567.0	00.8	1599.9	0130	00.7	0905.2	00.7	0762.0	0070	00.8	0847.0	00.4	0074.2	0075	00.5	DEQ
70166	1552.6	00.2	1759.4	0140	00.1	1975.8	00.5	1928.4	0200	00.6	0901.3	00.5	0084.0	0100	00.6	HTS
70216	1799.9	01.8	1432.3	0160	02.0	1265.8	02.1	0496.9	0115	02.2	1950.0	01.7	0049.2	0150	01.8	DEQ
70216	1603.6	00.4	1827.8	0140	00.5	1516.6	00.6	0536.9	0120	00.7	2614.8	01.9	0055.5	0190	02.1	HTS
70217	1426.1	00.3	1955.1	0110	00.4	0945.0	00.6	0534.4	0080	00.6	2189.0	01.9	0051.7	0160	01.9	DEQ
70217	1843.6	00.4	1623.6	0110	00.2	2008.7	00.8	1100.9	0180	00.3	1825.6	01.7	0213.5	0130	00.5	HTS
70229	0286.3	00.0	0807.0	0045	00.1	0243.4	00.1	0376.8	0040	00.2	1858.1	01.7	0034.1	0150	01.8	DEQ
70229	0094.0	00.0	0762.4	0020	00.1	0091.0	00.0	1141.4	0025	00.1	0781.3	01.2	0057.5	0100	01.5	HTS
70267	0862.3	00.2	0616.9	0055	00.2	1469.0	00.1	0822.0	0120	00.1	1472.0	00.6	0244.2	0130	00.6	DEQ
70267	0487.2	00.1	0544.8	0070	00.1	1291.7	00.1	0845.6	0150	00.1	1316.2	00.5	0270.2	0160	00.2	HTS
70268	0209.7	00.0	0977.1	0045	00.1	0151.4	00.0	1112.2	0045	00.1	0120.8	00.0	0116.7	0040	00.1	DEQ
70268	0195.2	00.0	0818.3	0035	00.0	0121.7	00.0	1674.8	0040	00.0	0152.3	00.0	0393.6	0030	00.0	HTS
70284	1410.8	00.2	2502.8	0105	00.3	1181.0	00.1	0787.0	0090	00.2	1450.6	01.6	0056.7	0105	01.6	DEQ
70284	1639.5	00.3	2101.9	0135	00.4	1434.5	00.2	0505.3	0110	00.2	2107.7	01.7	0066.1	0170	01.8	HTS
70306	1999.1	00.2	2502.8	0170	00.3	1426.1	00.1	0489.4	0120	00.2	1937.8	00.6	0061.7	0180	00.7	DEQ
70306	1905.7	00.4	2123.7	0140	00.4	1171.3	00.3	0379.1	0090	00.3	1639.5	00.9	0083.0	0130	00.8	HTS
70313	1420.0	00.6	1569.9	0110	00.7	0865.4	00.9	0649.4	0070	00.9	0905.2	01.4	0066.7	0080	01.5	DEQ
70313	1541.6	00.7	1325.4	0140	00.7	0779.6	00.9	0502.8	0090	00.9	0960.2	01.5	0070.9	0100	01.4	HTS
70348	1420.2	00.5	2397.4	0110	00.6	1680.2	00.6	0764.4	0140	00.7	2087.1	01.0	0053.0	0180	01.1	HTS
70364	1212.2	00.8	2397.4	0095	01.0	0891.0	00.7	0996.0	0070	00.9	0646.3	00.3	0088.8	0060	00.4	HTS
70378	1948.6	01.1	1548.7	0100	01.2	1624.2	01.8	0568.3	0070	01.6	1073.4	00.5	0107.3	0050	00.5	HTS
70385	1720.0	00.4	2397.4	0120	00.6	2062.6	00.3	0360.9	0140	00.3	3469.0	01.6	0055.4	0260	01.6	HTS
70387	1615.0	00.5	2436.8	0100	00.5	1336.6	00.6	1131.3	0100	00.6	0689.8	00.5	0112.2	0100	00.4	HTS
70438	0381.8	00.0	2259.6	0020	00.0	0198.2	00.0	0629.0	0000	00.0	0091.1	00.0	0034.5	0060	00.0	HTS
70457	1318.2	00.2	0169.5	0060	00.2	1413.1	00.3	0883.8	0070	00.2	1140.7	00.1	0083.6	0060	00.1	HTS
70461	1651.7	01.1	2381.0	0060	01.2	0669.5	00.6	0772.2	0010	00.7	0418.6	01.1	0083.0	0010	01.1	HTS
70469	1596.7	00.1	2305.7	0050	00.1	2233.1	00.2	1815.6	0150	00.2	4045.4	00.5	0087.9	0325	00.6	HTS
70485	0100.3	00.0	0325.7	0010	00.0	0100.3	00.0	1085.2	0010	00.0	0492.0	01.6	0070.9	0030	01.6	HTS
70521	1247.8	00.4	1497.7	0050	00.6	0339.0	00.3	0437.3	0025	00.3	0749.0	01.4	0068.5	0050	00.8	HTS
70546	1340.7	00.5	2316.3	0070	00.6	0147.7	00.2	0406.3	0010	00.2	0343.4	00.7	0067.3	0020	00.8	HTS
70563	1526.3	00.2	2436.8	0100	00.3	2465.7	00.2	1737.9	0260	00.3	9989.2	01.3	0063.6	1500	01.4	HTS
70609	1533.4	00.9	2187.3	0100	01.2	0906.3	00.8	0642.7	0080	00.9	0799.2	00.3	0074.5	0120	00.4	HTS
70620	1429.4	00.6	2397.4	0160	00.8	1148.0	00.4	1022.3	0140	00.6	0664.6	00.9	0072.1	0100	01.0	HTS
70622	1380.4	01.4	2242.3	0080	01.5	0548.4	01.0	0487.5	0030	01.1	0245.5	00.5	0088.8	0010	00.6	HTS
70625	1468.1	00.3	2436.8	0100	00.3	1994.5	00.2	1949.0	0160	00.3	3066.7	01.5	0078.2	0240	01.4	HTS
70634	1067.3	00.1	1485.6	0080	00.1	1403.9	00.1	1837.4	0120	00.1	1376.3	00.1	0238.3	0120	00.1	HTS
74012	1623.2	00.3	2227.7	0110	00.3	1105.4	00.2	0777.0	0070	00.2	0792.9	01.1	0066.7	0060	01.0	DEQ
74012	1624.6	00.3	1607.2	0140	00.3	2167.7	00.6	2021.4	0200	00.6	0814.4	01.0	0064.3	0080	01.0	HTS
76032	1855.0	00.4	2502.8	0135	00.5	1355.6	00.3	0644.4	0100	00.4	2608.8	02.3	0051.7	0185	02.3	DEQ
76032	1744.0	00.4	2430.3	0130	00.5	2290.7	00.4	1330.1	0220	00.1	2167.7	02.0	0047.3	0150	02.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=09 MODEL YR(S)=1975,1976

MAKE=TOYOTA MODEL=COROLLA

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50008	0727.5	00.4	2102.6	0050	00.5	0451.7	01.1	0506.9	0040	01.1	0503.8	00.5	0069.2	0050	00.5	DEQ
50008	0826.4	00.2	1802.3	0050	00.4	0364.3	00.6	0436.7	0040	01.3	0562.3	00.3	0049.7	0060	00.4	HTS
50022	0405.8	00.2	1054.6	0025	00.3	0362.9	00.2	0434.3	0030	00.3	1401.6	00.4	0044.2	0140	00.5	DEQ
50022	0271.1	00.2	0953.4	0160	00.4	0439.2	00.2	0414.8	0210	00.4	1936.7	00.4	0054.1	0420	00.6	HTS
50035	0874.6	00.2	1835.0	0050	00.3	0730.5	00.5	0669.5	0050	00.6	0629.4	00.8	0056.7	0050	00.8	DEQ
50035	0667.3	00.3	1414.3	0130	00.5	0658.3	00.6	0452.4	0160	00.7	0748.3	00.8	0074.2	0160	01.0	HTS
50039	0283.2	00.1	0724.5	0030	00.1	0362.9	00.1	0384.3	0040	00.1	0917.5	00.6	0046.7	0080	00.6	DEQ
50039	0196.3	00.1	0665.6	0020	00.0	0235.3	00.2	0317.5	0020	00.2	0922.4	00.7	0044.8	0070	00.7	HTS
50092	1046.1	00.2	2117.7	0050	00.2	0859.2	00.5	0662.0	0050	00.5	1043.1	00.6	0069.2	0080	00.6	DEQ
50092	0340.3	00.2	0986.6	0030	00.2	0514.3	00.8	0327.8	0040	00.8	1372.5	00.5	0050.6	0130	00.6	HTS
50097	0439.5	00.4	1682.4	0035	00.4	0203.5	00.4	0486.9	0030	00.4	2020.5	00.3	0084.2	0200	00.3	DEQ
50097	1003.4	00.6	1317.7	0150	00.9	1255.5	01.1	0496.8	0230	01.1	3009.2	00.4	0091.3	0560	00.7	HTS
50104	0859.2	00.3	1835.0	0060	00.3	0724.4	00.6	0754.5	0070	00.7	0671.5	00.1	0089.2	0110	00.2	DEQ
50104	1060.5	00.3	1810.8	0070	00.4	1435.5	01.0	0639.0	0120	01.0	1198.5	00.2	0077.4	0120	00.3	HTS
50120	0920.5	00.2	1797.5	0070	00.3	1211.6	00.5	0511.9	0100	00.5	1364.8	00.7	0051.7	0150	00.8	DEQ
50120	0463.3	00.2	0955.2	0040	00.2	0988.4	00.3	0366.6	0070	00.3	1339.5	00.7	0052.1	0100	00.8	HTS
50265	1128.9	00.1	1352.3	0085	00.2	0871.5	00.2	0451.8	0080	00.3	0653.9	00.5	0044.2	0060	00.5	DEQ
50265	1168.3	00.2	1225.9	0090	00.3	1364.1	00.5	0427.6	0120	00.5	1205.0	01.0	0061.2	0110	01.0	HTS
50275	1214.7	00.2	2027.6	0080	00.3	1024.7	00.7	0677.0	0080	00.8	0987.9	01.2	0066.7	0090	01.2	DEQ
50275	1333.5	00.4	1939.3	0090	00.5	2144.4	01.7	0544.1	0180	01.7	1082.6	01.3	0070.9	0100	01.4	HTS
50314	1287.6	00.1	2031.5	0060	00.1	1379.4	00.5	0786.7	0070	00.4	1201.9	00.8	0063.6	0080	00.7	HTS
50374	0513.4	00.5	1601.0	0040	00.5	0293.1	00.6	0471.3	0030	00.6	0345.1	00.7	0060.1	0040	00.6	HTS
50421	0828.6	00.2	1704.0	0060	00.2	1027.5	01.1	0536.8	0080	01.0	0482.8	00.7	0068.5	0050	00.8	HTS
50459	0741.1	00.1	1545.1	0040	00.1	1444.7	00.3	0623.6	0100	00.3	1053.1	01.0	0067.3	0080	01.0	HTS
50471	0993.8	00.2	1568.1	0070	00.2	0859.0	00.5	0629.0	0070	00.4	1113.2	00.1	0075.8	0080	00.1	HTS
50479	1088.7	00.5	1417.6	0030	00.5	2511.6	02.0	0425.2	0110	02.0	0951.0	00.9	0066.1	0040	01.0	HTS
50522	0703.1	00.3	1713.7	0040	00.3	0746.0	01.1	0366.9	0050	01.0	0635.8	00.9	0056.4	0040	01.0	HTS
50550	1177.4	00.4	2041.2	0060	00.4	0648.1	00.7	0575.6	0050	00.6	0831.7	00.1	0085.5	0060	00.1	HTS
54017	1543.5	00.2	2502.8	0110	00.3	2566.9	01.6	0757.0	0220	01.5	1200.4	00.4	0056.7	0100	00.4	DEQ
54017	1225.5	00.3	2280.8	0090	00.3	1450.5	01.1	0564.7	0120	01.2	1072.5	00.3	0059.4	0110	00.4	HTS
54030	0967.5	00.1	1910.1	0055	00.1	1479.2	00.2	0839.5	0120	00.2	0854.2	01.0	0051.7	0075	01.0	DEQ
54030	0994.4	00.2	1899.7	0060	00.2	0919.4	00.4	0682.6	0060	00.4	0700.4	01.0	0054.6	0050	00.9	HTS
54038	0972.6	00.1	1552.4	0065	00.2	1358.7	00.3	0737.0	0110	00.3	1082.9	00.9	0051.7	0090	00.9	DEQ
54038	0265.3	00.1	0665.1	0045	00.2	0796.4	00.3	0429.4	0070	00.3	0976.4	01.0	0044.8	0090	01.0	HTS
56009	0992.0	00.4	1399.8	0060	00.5	1065.6	01.4	0331.8	0080	01.4	0697.9	00.7	0071.7	0055	00.7	DEQ
56009	0784.3	00.6	1810.4	0080	00.7	0589.2	00.9	0412.1	0070	01.0	0553.2	00.5	0053.7	0075	00.6	HTS
60135	0994.1	00.2	2005.1	0060	00.2	1141.1	00.8	0857.0	0100	00.8	0571.2	00.9	0064.2	0055	01.0	DEQ
60135	1099.5	00.3	1815.7	0070	00.4	1867.6	01.5	0622.0	0150	01.5	0664.4	01.0	0062.8	0060	01.1	HTS
60213	1226.9	00.1	2000.1	0075	00.1	1386.2	00.3	0857.0	0115	00.3	2772.5	00.1	0074.2	0300	00.1	DEQ
60213	1033.4	00.1	1991.2	0120	00.1	1780.7	00.4	0846.9	0160	00.1	1450.6	00.1	0067.1	0200	00.1	HTS
60291	0549.8	00.5	1737.5	0040	00.5	0917.5	01.0	0599.4	0070	00.9	1220.8	00.5	0069.2	0090	00.5	DEQ
60291	0457.3	00.5	1626.3	0050	00.5	1504.6	00.7	0672.7	0110	00.7	1477.6	00.7	0080.6	0110	00.7	HTS
60364	0837.8	00.6	1619.0	0070	00.6	1324.3	01.0	0636.3	0100	01.1	0866.7	00.7	0061.2	0080	00.8	HTS
60397	2141.3	00.5	2262.1	0080	00.4	3715.5	02.5	0599.9	0200	02.1	2126.2	02.5	0075.8	0100	02.1	HTS
60410	0634.0	00.3	1514.1	0060	00.3	0915.5	00.7	1010.3	0070	00.3	0900.2	00.8	0396.8	0060	00.2	HTS
60433	0835.9	00.2	1406.7	0060	00.5	2142.1	00.6	0563.9	0180	00.7	1527.3	00.5	0074.5	0150	00.6	HTS
60439	1125.4	00.4	1764.6	0040	00.4	1058.1	01.0	0616.9	0050	01.0	0981.6	01.0	0075.8	0050	01.0	HTS
60457	0952.2	00.2	1934.3	0100	00.2	1114.3	00.6	0745.3	0100	00.6	1325.4	00.1	0064.9	0150	00.1	HTS
60537	0924.6	00.4	1637.3	0060	00.5	0790.1	01.0	0468.4	0060	01.0	1031.7	01.1	0062.5	0060	01.0	HTS
60684	0492.0	00.2	1400.6	0060	00.2	0840.8	00.8	0062.9	0070	00.8	0351.2	00.4	0073.3	0040	00.4	HTS
60713	1135.7	00.2	1719.4	0060	00.2	1117.4	00.3	0659.4	0080	00.4	0735.0	00.4	0072.1	0060	00.6	HTS
64026	0915.4	00.3	1622.4	0060	00.4	1421.0	00.8	0606.9	0110	00.9	0617.4	00.9	0049.2	0070	01.0	DEQ
64026	0625.4	00.4	1546.7	0040	00.5	1138.5	00.9	0539.0	0060	00.8	0691.4	01.0	0049.7	0050	01.0	HTS
64030	1666.1	00.1	1927.6	0125	00.1	1923.4	00.3	0924.6	0140	00.3	1209.6	00.6	0054.2	0095	00.6	DEQ
64030	0229.1	00.0	0417.1	0110	00.4	0244.1	00.1	0196.6	0070	00.5	0241.1	00.2	0028.7	0070	00.7	HTS
64032	1350.5	00.1	2320.3	0100	00.1	1678.3	00.6	1034.6	0130	00.6	0890.9	00.8	0056.7	0075	00.9	DEQ
64032	0238.1	00.1	0489.8	0080	00.4	0598.2	00.4	0251.7	0140	00.9	0322.1	00.4	0028.7	0070	00.9	HTS
64033	0939.9	00.2	1715.0	0060	00.2	1326.0	01.2	0519.4	0130	01.2	0409.9	00.5	0051.7	0045	00.6	DEQ
64033	0811.3	00.2	1562.3	0120	00.3	1201.5	01.2	0497.3	0160	01.2	0358.1	00.4	0056.2	0100	00.5	HTS
64039	0884.8	00.1	1527.4	0045	00.2	1016.5	00.2	0694.5	0070	00.3	0564.5	00.6	0056.7	0050	00.6	DEQ
64039	0712.3	00.1	1361.8	0070	00.2	1375.5	00.4	0509.8	0110	00.4	0898.3	00.5	0056.2	0090	00.5	HTS
64041	1129.9	00.1	1905.1	0075	00.2	1215.7	00.3	0862.0	0090	00.4	0792.9	00.7	0054.2	0060	00.8	DEQ
64041	0901.3	00.2	1404.4	0080	00.1	1402.5	00.9	0462.2	0140	00.4	0577.2	00.5	0031.2	0060	00.3	HTS
64053	0635.6	00.3	1112.2	0055	00.3	1349.5	00.4	0419.3	0110	00.5	1395.4	00.1	0056.7	0155	00.1	DEQ
64053	0664.3	00.2	1059.3	0070	00.3	2074.8	00.6	0479.9	0170	00.8	1789.7	00.2	0062.3	0200	00.2	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

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CELL NO=10    MODEL YR(S)=1977
   MAKE=TOYOTA                MODEL=CELICA
            ---HI (LAB)---     HI (GAR)       ---LO (LAB)---     LO (GAR)       --IDLE (LAB)--     IDLE(GAR)
EPA NO     HC    CO    NOX     HC   CO      HC    CO    NOX      HC   CO      HC    CO    NOX      HC   CO LAB

60242   0540.6 00.4 1752.5  0045 00.4  0641.7 00.7 0784.5  0060 00.7  0494.6 00.8 0074.2  0060 00.8 DEQ
60242   0637.2 00.2 1685.0  0070 00.3  0781.3 00.3 0921.7  0090 00.4  0574.2 00.8 0074.4  0070 00.9 HTS
70014   0507.9 00.5 1012.1  0030 00.5  0314.9 00.4 0279.3  0025 00.4  0452.8 00.8 0059.2  0030 00.7 DEQ
70014   0157.2 00.4 0923.6  0020 00.4  0220.3 00.4 0217.7  0030 00.5  0370.3 00.0 0772.7  0040 00.7 HTS
70016   0501.8 00.8 1494.9  0040 00.8  0281.2 00.6 0489.4  0030 00.7  0363.9 00.5 0059.2  0040 00.5 DEQ

70016   0079.0 00.5 1173.9  0050 00.2  0118.1 00.6 0367.0  0060 00.3  0193.1 00.4 0066.3  0060 00.2 HTS
70017   0354.8 00.3 1059.6  0030 00.4  0501.8 00.3 0251.8  0050 00.4  0609.1 00.1 0066.7  0060 00.1 DEQ
70017   0184.3 00.5 0631.1  0020 00.5  0733.4 00.4 0222.5  0060 00.5  0781.4 00.2 0071.6  0100 00.3 HTS
70021   0286.3 00.5 1287.3  0020 00.5  0209.7 00.4 0319.3  0020 00.5  0488.5 00.5 0061.7  0040 00.6 DEQ
70021   0208.1 00.4 1231.5  0115 00.6  0091.0 00.5 0259.5  0150 00.7  0415.2 00.4 0061.6  0185 00.6 HTS

70023   0274.0 00.5 1337.3  0010 00.6  0126.9 00.5 0486.9  0010 00.6  0765.7 00.6 0056.7  0040 00.8 DEQ
70023   0220.3 00.5 1254.6  0030 00.5  0097.2 00.5 0419.7  0030 00.5  0529.3 00.8 0049.7  0050 00.6 HTS
70024   0120.8 00.5 1407.3  0020 00.5  0157.6 00.3 0361.8  0025 00.4  0286.3 00.5 0044.2  0030 00.6 DEQ
70024   0241.3 00.5 1162.1  0030 00.6  0370.3 00.4 0341.8  0030 00.4  0340.3 00.6 0044.8  0040 00.7 HTS
70068   0277.1 00.3 0897.1  0010 00.3  0172.9 00.3 0166.7  0015 03.0  0264.8 00.4 0056.7  0020 00.4 DEQ

70088   0157.2 00.4 0746.0  0030 00.4  0142.2 00.3 0274.3  0030 00.3  0394.3 00.7 0055.5  0040 00.7 HTS
70137   0169.6 00.4 0919.6  0030 00.4  0099.4 00.4 0254.3  0030 00.5  0537.5 00.1 0076.7  0070 00.1 DEQ
70137   0259.3 00.5 0889.5  0040 00.5  0139.2 00.4 0217.7  0040 00.5  0628.4 00.1 0069.2  0070 00.1 HTS
70147   0365.9 00.3 0919.6  0030 00.4  0560.3 00.5 0191.7  0080 00.5  1018.6 00.9 0046.7  0060 01.0 DEQ
70147   0310.3 00.5 0665.1  0030 00.6  0292.3 00.5 0208.7  0030 00.6  0649.4 00.8 0057.9  0052 00.9 HTS

70159   0255.6 00.2 0514.4  0035 00.3  0212.7 00.3 0236.7  0040 00.3  0531.4 00.5 0059.2  0060 00.6 DEQ
70159   0205.3 00.4 0986.6  0020 00.2  0176.3 00.6 0471.2  0025 00.2  0595.3 00.8 0062.8  0050 00.3 HTS
70161   0237.2 00.4 0629.4  0035 00.4  0218.8 00.0 0194.2  0040 00.5  0883.7 00.8 0056.7  0090 00.8 DEQ
70161   0124.1 00.4 0559.6  0020 00.6  0193.1 00.6 0339.9  0020 00.7  0820.3 00.8 0059.9  0060 01.0 HTS
70210   0133.1 00.4 1024.6  0040 00.5  0059.5 00.3 0194.2  0035 00.3  0071.8 00.1 0054.2  0040 00.2 DEQ

70210   0244.3 00.5 0962.3  0040 00.7  0274.3 01.0 0451.8  0040 01.1  0331.3 00.5 0084.7  0045 00.6 HTS
70220   0270.9 00.5 0759.5  0030 00.5  0148.4 00.4 0259.3  0035 00.5  0531.4 00.8 0054.2  0045 00.8 DEQ
70220   0163.1 00.5 0697.2  0020 00.6  0178.1 00.6 0214.4  0020 00.7  0685.3 00.8 0059.9  0060 00.9 HTS
70259   0200.5 00.3 0864.5  0040 00.4  0105.5 00.3 0126.7  0040 00.3  0157.6 00.2 0036.6  0040 00.3 DEQ
70259   0187.3 00.4 0697.0  0030 00.5  0142.2 00.4 0328.1  0030 00.5  0514.3 00.7 0061.2  0050 00.8 HTS

70277   0163.7 00.3 0634.4  0030 00.4  0359.8 00.3 0174.2  0040 00.3  0298.5 00.5 0051.7  0035 00.5 DEQ
70277   0121.7 00.3 0500.4  0040 00.3  0075.8 00.3 0282.0  0040 00.3  0130.9 00.4 0056.4  0050 00.5 HTS
70278   0228.0 00.4 0649.4  0025 00.5  0160.6 00.5 0191.7  0025 00.5  0465.4 00.7 0056.7  0045 00.8 DEQ
70278   0137.0 00.4 0609.6  0040 00.5  0672.5 00.5 0201.9  0075 00.6  0798.0 00.9 0063.6  0085 00.9 HTS
70289   0243.4 00.3 0717.0  0030 00.4  0234.2 00.3 0199.2  0035 00.3  0479.3 00.5 0049.2  0045 00.5 DEQ

70289   0267.0 00.3 0501.8  0050 00.1  0374.0 00.4 0112.7  0070 00.5  0404.6 00.7 0050.6  0070 00.7 HTS
70342   0257.8 00.3 0647.4  0030 00.4  0419.9 00.3 0217.7  0040 00.4  0579.0 00.6 0053.0  0050 00.7 HTS
70372   0179.9 00.4 0357.2  0025 00.3  0124.8 00.3 0769.7  0050 00.4  0440.0 00.5 0073.3  0050 00.4 HTS
70379   0391.0 00.6 0681.4  0000 00.7  0213.5 00.6 0301.4  0000 00.6  0580.7 00.6 0058.8  0010 00.6 HTS
70381   0238.0 00.3 0745.5  0000 00.3  0143.2 00.3 0199.5  0000 00.3  0247.2 00.6 0058.8  0000 00.6 HTS

70396   0557.6 00.1 2366.4  0020 00.1  1056.2 00.2 1344.6  0060 00.3  1209.1 01.9 0103.1  0060 02.0 HTS
70446   0140.1 00.3 0794.0  0000 00.4  0060.5 00.3 0204.4  0000 00.4  0115.6 00.2 0063.6  0000 00.2 HTS
70455   0091.1 00.4 0908.1  0000 00.4  0072.8 00.4 0330.6  0000 00.4  0219.7 00.2 0056.4  0000 00.2 HTS
70473   0265.6 00.3 0646.0  0010 00.3  0167.6 00.4 0391.2  0010 00.4  0525.7 00.7 0063.6  0030 00.7 HTS
70534   0247.2 00.2 0439.7  0040 00.3  0366.5 00.1 0172.8  0040 00.3  0299.2 00.5 0056.4  0040 00.5 HTS

70552   0670.8 00.6 0945.9  0040 00.6  0894.1 00.4 0313.2  0080 00.4  0961.4 01.0 0067.3  0060 00.9 HTS
70556   0260.9 00.6 0682.4  0025 00.6  0189.1 00.6 0201.9  0020 00.6  0247.2 00.5 0056.4  0020 00.5 HTS
70564   0166.0 00.6 0733.4  0000 00.7  0166.0 00.5 0177.1  0000 00.5  0089.5 00.2 0053.0  0000 00.2 HTS
70570   0228.8 00.2 0450.0  0000 00.2  0253.3 00.3 0189.8  0010 00.3  0550.1 00.8 0053.9  0020 00.8 HTS
70640   0343.4 00.5 1029.4  0020 00.6  0312.6 00.3 0372.9  0030 00.4  0631.0 00.3 0064.9  0040 00.3 HTS

70656   0374.0 00.2 0296.5  0040 00.2  0144.6 00.2 0134.1  0030 00.2  0527.0 00.8 0050.6  0050 00.8 HTS
70667   0201.3 00.5 0973.6  0020 00.5  0097.3 00.4 0272.3  0000 00.4  0283.9 00.6 0058.8  0050 00.6 HTS
70671   0132.4 00.4 0583.0  0020 00.4  0153.8 00.3 0162.8  0020 00.4  0144.6 00.4 0053.0  0020 00.5 HTS
74016   0270.9 00.6 0907.1  0030 00.6  0154.5 00.5 0191.7  0025 00.5  0462.4 00.7 0051.7  0045 00.8 DEQ
74016   0157.1 00.5 0983.5  0135 00.6  0076.0 00.4 0222.0  0180 00.6  0496.2 00.8 0056.6  0210 01.0 HTS

74017   0348.6 00.5 1027.1  0025 00.5  0134.2 00.4 0276.8  0020 00.4  0379.3 00.9 0051.7  0030 00.8 DEQ
74017   0232.3 00.5 0782.4  0020 00.5  0205.3 00.3 0256.6  0030 00.3  0331.3 00.4 0049.7  0040 00.4 HTS
74023   0231.1 00.4 1192.2  0030 00.4  0482.4 00.4 0279.3  0055 00.4  0660.1 00.9 0056.7  0060 00.9 DEQ
74023   0130.2 00.4 1142.6  0040 00.1  0127.2 00.4 0246.9  0040 00.1  0370.3 00.8 0042.4  0050 00.1 HTS
74024   0200.5 00.4 1234.7  0020 00.5  0313.8 00.5 0346.8  0030 00.6  0519.1 00.6 0049.2  0045 00.6 DEQ

74024   0334.1 00.4 1116.2  0150 00.6  0277.1 00.5 0279.6  0175 00.7  0409.2 00.7 0056.6  0225 01.0 HTS
74032   0153.8 00.5 1005.6  0000 00.4  0199.7 00.4 0296.5  0000 00.4  0340.4 00.5 0055.4  0000 00.4 HTS
```

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=11 MODEL YR(S)=1975,1976,1977
MAKE=VW MODEL=BEETLE

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50011	1894.9	00.2	2502.8	0125	00.3	2842.5	00.3	1850.0	0180	00.3	2642.6	00.9	0131.7	0180	00.9	DEQ
50011	1771.6	00.3	2430.3	0110	00.4	2524.8	00.4	1683.0	0160	00.4	2671.8	00.9	0120.3	0180	01.0	HTS
50021	1377.1	00.5	2502.8	0050	00.5	1432.2	00.2	1594.9	0110	00.2	1018.6	00.4	0126.7	0080	00.5	DEQ
50021	1240.5	00.2	2430.3	0060	00.2	1060.5	00.1	1179.2	0065	00.2	1249.5	00.2	0115.4	0060	00.3	HTS
50027	1968.4	01.0	2502.8	0120	01.1	2072.6	01.1	1312.3	0150	01.2	1364.8	02.0	0139.2	0070	02.1	DEQ
50027	2062.7	01.2	2206.4	0120	01.2	2317.8	01.9	0843.2	0160	01.9	1867.6	03.0	0093.5	0080	02.8	HTS
50066	1842.8	00.3	2502.8	0110	00.4	2578.2	00.6	1797.5	0190	00.7	1904.1	01.8	0124.2	0110	01.8	DEQ
50066	2179.7	00.6	2430.3	0140	00.6	2464.8	00.6	1841.3	0160	00.7	1672.6	01.3	0125.2	0100	01.3	HTS
50069	2559.8	02.7	1262.2	0140	02.6	2323.8	01.4	1019.6	0135	01.1	1913.3	01.9	0124.2	0090	02.0	DEQ
50069	2676.0	02.2	1352.0	0140	02.4	2795.9	02.3	0818.9	0160	02.4	2254.7	01.0	0113.0	0130	01.0	HTS
50093	1128.9	00.2	2502.8	0080	00.2	1465.5	00.4	1172.2	0100	00.4	1352.5	00.4	0126.7	0115	00.4	DEQ
50093	1021.4	00.2	2428.2	0200	00.1	1957.8	00.5	1426.3	0330	00.7	1810.7	00.5	0122.6	0350	00.7	HTS
50103	2397.4	02.4	1725.0	0160	02.5	2722.2	02.9	0684.5	0215	03.0	2535.3	04.4	0086.7	0140	04.4	DEQ
50103	2765.9	03.1	1502.1	0170	03.2	2884.5	03.1	0670.6	0185	03.1	2995.8	04.6	0096.8	0130	04.6	HTS
50119	1337.2	00.4	2242.7	0050	00.5	1717.2	00.7	0934.6	0120	00.7	1628.3	01.6	0139.2	0120	01.6	DEQ
50119	1546.6	00.6	2194.2	0100	00.7	1504.6	00.5	0901.7	0100	00.6	1591.6	00.9	0144.6	0120	01.0	HTS
50220	1704.9	00.5	1422.3	0115	00.5	1775.4	00.5	1304.8	0135	00.6	1006.3	01.0	0129.2	0075	01.0	DEQ
50220	1834.6	00.3	1514.2	0110	00.1	2215.7	00.8	1339.2	0165	00.3	1195.5	01.2	0128.4	0070	00.4	HTS
50242	1784.6	00.3	2502.8	0100	00.2	1242.2	00.2	1262.2	0085	00.1	1306.6	00.1	0141.7	0100	00.1	DEQ
50242	1396.5	00.1	2397.4	0120	00.2	1309.5	00.2	1222.8	0120	00.2	1174.5	00.1	0155.6	0140	00.2	HTS
50331	1489.6	00.4	2436.8	0060	00.4	1719.1	00.8	1053.7	0100	00.6	1364.1	01.0	0185.0	0060	00.8	HTS
50371	1761.9	00.8	2436.8	0100	00.8	1632.3	01.1	1369.1	0110	01.2	1994.5	03.0	0148.6	0090	02.9	HTS
50486	1236.7	00.2	2397.4	0060	00.2	1450.8	00.1	1504.5	0090	00.1	1056.2	00.3	0146.1	0080	00.3	HTS
50511	1973.0	01.3	1725.8	0100	01.3	1688.5	01.1	0772.2	0100	01.2	3516.9	03.2	0112.2	0190	03.1	HTS
50554	2178.8	02.0	1931.9	0110	02.0	2515.3	03.1	0640.3	0140	03.1	2457.2	04.4	0110.3	0060	04.2	HTS
54028	1543.5	00.1	2502.8	0100	00.1	1635.4	00.1	1217.2	0120	00.1	0961.4	00.1	0086.7	0080	00.1	DEQ
54028	1399.5	00.1	2509.5	0110	00.2	1102.4	00.1	1316.7	0075	00.2	1747.7	00.1	0081.3	0128	00.2	HTS
54044	2414.4	00.9	2003.5	0110	00.9	2215.6	00.8	0864.7	0130	01.0	2084.0	02.0	0129.4	0100	02.0	HTS
56030	1539.5	00.5	2502.8	0055	00.5	1940.8	01.1	1107.2	0130	01.1	2103.2	01.6	0086.7	0140	01.7	DEQ
56030	2611.8	03.7	1386.1	0150	03.4	2761.9	03.8	0582.8	0190	03.6	2737.8	02.9	0071.6	0095	02.9	HTS
60245	0482.4	00.1	0414.3	0055	00.1	0650.7	00.1	0504.4	0075	00.1	0991.0	00.3	0106.7	0100	00.4	DEQ
60245	0754.4	00.1	1558.0	0060	01.1	1594.6	00.1	1134.9	0110	00.1	1594.6	00.7	0126.0	0110	00.8	HTS
60271	1337.2	00.1	2502.8	0050	00.2	1597.7	00.3	0792.0	0120	00.4	6431.1	04.8	0054.2	0420	04.8	DEQ
60271	1276.5	00.1	2276.6	0050	00.1	1849.6	00.7	0828.0	0150	00.3	5964.6	04.2	0053.9	0400	00.9	HTS
60292	1018.6	00.1	2502.8	0070	00.1	1695.7	00.2	0967.1	0120	00.2	3532.2	00.5	0101.7	0280	00.4	DEQ
60292	1087.5	00.1	2436.8	0050	00.2	1102.5	00.1	0876.5	0100	00.2	2955.9	00.3	0102.5	0220	00.4	HTS
60370	1417.1	00.2	2397.4	0070	00.3	1426.3	00.4	1325.5	0120	00.5	2044.2	02.6	0110.3	0130	02.6	HTS
60415	0673.8	00.1	0566.3	0040	00.1	6927.4	00.2	0076.8	0580	00.2	9996.0	00.3	0045.8	2000	00.4	HTS
60428	1410.0	00.2	2436.8	0080	00.2	2656.0	01.4	1136.2	0150	01.2	2606.0	02.6	0121.9	0100	02.0	HTS
60499	1536.5	00.9	2397.4	0100	01.0	1365.1	00.8	0866.2	0100	00.9	2255.3	02.3	0124.6	0140	02.2	HTS
60535	1731.3	00.7	2303.3	0080	00.7	2031.2	01.5	0937.2	0110	01.5	1712.9	02.0	0134.0	0065	02.0	HTS
60596	1753.6	00.3	2380.7	0080	00.3	2246.1	01.5	1093.9	0130	01.6	1625.2	01.9	0138.9	0060	02.0	HTS
60601	1976.9	00.2	1437.7	0100	00.3	2669.7	01.3	0910.1	0150	01.4	3820.3	03.9	0080.4	0160	03.8	HTS
60671	0862.3	00.1	1679.7	0040	00.1	0993.8	00.5	0502.8	0060	00.5	0889.8	00.9	0066.1	0040	00.9	HTS
60682	1832.3	00.3	2436.8	0050	00.3	2291.3	01.6	0794.0	0120	01.6	3066.9	02.5	0107.3	0300	02.5	HTS
60720	1759.8	00.2	2397.4	0100	00.3	2206.4	01.0	1571.4	0140	01.1	1285.6	01.5	0160.4	0050	01.7	HTS
70122	1775.4	00.4	1712.5	0120	00.5	1539.5	00.1	1622.5	0120	00.2	0969.5	00.1	0116.7	0100	00.2	DEQ
70122	2239.7	00.4	1315.5	0110	00.5	1954.7	00.2	1412.8	0130	00.3	1399.5	00.1	0086.2	0120	00.2	HTS
70239	1527.2	00.6	1702.5	0100	00.6	1753.9	00.8	1377.3	0130	00.8	1622.2	01.6	0124.2	0100	01.7	DEQ
70239	1501.6	00.5	1549.9	0120	00.5	1423.5	00.3	1187.0	0120	00.4	1273.5	00.8	0110.3	0100	00.9	HTS
70397	2469.4	00.7	1019.9	0100	00.8	3145.2	02.0	0716.7	0170	02.2	4728.4	04.9	0124.6	0200	05.0	HTS
70432	2465.7	00.8	1619.0	0120	00.9	2820.7	01.4	1046.4	0150	01.4	3195.8	03.8	0102.5	0140	03.6	HTS
70469	1261.1	00.2	1134.5	0060	00.2	1536.5	00.2	1471.1	0080	00.2	1411.0	00.9	0122.2	0080	01.0	HTS
70520	1422.2	00.2	1689.4	0080	00.2	2156.4	00.7	1475.9	0120	00.7	2661.5	03.5	0114.6	0140	03.6	HTS
70617	0384.9	00.4	1075.5	0110	00.4	0262.5	00.6	1031.8	0100	00.8	0158.5	01.1	0138.9	0090	01.2	HTS
70627	1747.5	00.3	1547.5	0100	00.5	2038.1	00.6	1327.9	0120	00.7	1564.0	02.0	0112.7	0060	02.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=12 MODEL YR(S)=1976,1977

MAKE=VW MODEL=RABBIT SCIROCCO

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
60018	0850.0	01.6	1277.2	0050	01.6	0822.5	01.7	0601.9	0060	01.7	0304.6	00.7	0066.7	0030	01.1	DEQ
60018	0802.4	01.2	1403.1	0060	01.5	0805.4	01.8	0485.4	0070	01.8	0394.3	01.0	0064.3	0040	01.0	HTS
60028	1012.4	01.1	2082.6	0075	01.1	1340.3	01.2	0989.6	0115	01.2	0610.2	00.5	0071.7	0075	00.5	DEQ
60028	1201.5	01.4	1707.4	0050	01.4	1159.5	01.3	0777.5	0050	01.2	0659.4	00.3	0071.6	0030	00.3	HTS
60140	0574.3	02.3	0366.8	0040	02.1	0197.4	01.2	0104.2	0025	01.3	5351.5	07.6	0031.6	0160	07.3	DEQ
60140	0484.5	00.6	0602.5	0035	00.7	0664.4	00.9	0308.3	0050	01.1	0421.3	00.7	0077.4	0040	00.7	HTS
60143	2241.1	03.6	1502.4	0140	03.2	1962.3	03.2	0879.6	0135	02.6	0938.9	02.8	0061.7	0065	02.5	DEQ
60143	2242.9	02.9	1619.4	0290	03.3	2008.8	02.9	0776.9	0310	03.4	1111.4	03.0	0067.1	0290	03.5	HTS
60162	2942.5	03.4	1107.2	0200	03.6	3662.2	04.5	0601.9	0260	04.5	2532.6	03.9	0081.7	0140	04.0	DEQ
60162	2710.8	02.2	1769.5	0170	02.4	3515.6	01.6	1385.4	0200	01.6	1416.5	00.9	0111.4	0070	00.9	HTS
60185	2492.4	02.9	1017.1	0120	02.6	2216.6	02.1	0594.4	0130	02.0	0954.2	00.1	0076.7	0080	00.2	DEQ
60185	2341.9	02.2	1230.7	0225	02.3	2206.8	01.7	0605.5	0275	02.1	0814.3	00.1	0098.5	0250	00.1	HTS
60189	0632.5	00.9	0799.5	0050	01.0	0301.6	00.3	0634.4	0035	00.4	0188.2	00.0	0096.7	0030	00.1	DEQ
60189	0370.1	00.6	0723.8	0175	00.7	0274.1	00.3	0607.9	0200	00.5	0238.1	00.0	0122.6	0225	00.2	HTS
60232	3202.4	04.3	1674.9	0240	04.2	3362.3	05.0	0431.8	0290	04.9	1403.1	01.4	0056.7	0120	01.4	DEQ
60232	3029.2	03.8	1670.1	0260	04.2	3209.1	04.9	0277.1	0320	05.0	1370.0	00.9	0055.0	0120	01.0	HTS
60312	2415.8	03.5	1817.5	0140	03.2	2326.9	02.8	1389.8	0140	02.8	0617.2	00.5	0079.2	0060	00.5	DEQ
60312	2793.1	02.9	1818.0	0160	02.8	2444.3	01.6	1454.0	0185	01.7	0580.7	00.4	0095.2	0065	00.5	HTS
60372	0034.5	00.0	0540.0	0000	00.0	0028.4	00.0	0222.5	0000	00.0	0065.1	00.0	0064.9	0000	00.0	HTS
60390	1334.6	01.8	2242.3	0080	01.9	1521.2	02.6	0917.2	0100	02.6	0594.3	00.9	0091.2	0050	00.9	HTS
60393	0062.0	00.0	0714.3	0010	00.0	0080.4	00.0	0325.1	0010	00.0	0034.5	00.0	0064.9	0000	00.0	HTS
60403	0597.3	00.7	1005.6	0020	00.2	0652.2	00.6	0540.0	0020	00.2	0519.0	00.2	0136.5	0010	00.1	HTS
60436	0839.0	00.7	0866.2	0040	00.8	0756.4	00.7	0446.9	0040	00.8	0374.0	00.0	0086.4	0020	00.1	HTS
60455	0097.3	00.0	0646.0	0020	00.0	0082.0	00.0	0209.2	0020	00.0	0134.0	00.0	0061.2	0020	00.0	HTS
60488	3139.2	03.0	1070.0	0200	03.2	2829.3	02.8	0494.6	0200	02.8	2899.3	03.9	0064.9	0160	03.8	HTS
60532	0273.1	00.0	0571.0	0010	00.0	0141.5	00.0	0267.8	0000	00.0	0114.0	00.0	0055.4	0000	00.0	HTS
60544	0152.3	01.0	0362.1	0010	01.0	0406.3	01.5	0155.8	0020	01.5	1042.8	02.3	0070.9	0050	02.3	HTS
60573	1168.3	02.4	0706.7	0090	02.4	1100.9	02.0	0364.5	0075	02.1	0990.8	00.2	0148.6	0120	00.2	HTS
60587	0458.3	00.0	1024.5	0040	00.1	0222.7	00.0	1024.5	0020	00.0	0152.3	00.0	0211.7	0020	00.0	HTS
60600	0205.8	00.0	0616.4	0000	00.0	0111.0	00.0	0399.1	0000	00.0	0058.9	00.0	0060.1	0000	00.0	HTS
60654	1376.3	02.1	0878.9	0070	02.1	1388.6	02.2	0561.1	0080	02.2	0342.1	00.4	0085.5	0030	00.5	HTS
60664	1131.5	01.3	1497.7	0060	01.4	1676.2	01.2	0730.9	0110	01.2	9989.2	07.3	0053.9	1500	07.4	HTS
60674	5087.4	07.2	0189.8	0340	07.4	6818.0	09.3	0053.9	0520	09.5	9989.2	09.1	0032.1	2000	10.0	HTS
60690	4037.1	07.2	0461.6	0260	07.2	4347.2	07.9	0172.8	0300	07.8	2516.5	04.3	0049.1	0110	04.2	HTS
60694	4560.6	03.5	0957.8	0200	03.5	3770.3	02.6	0838.4	0200	02.6	0769.4	00.4	0091.2	0040	00.5	HTS
64029	0455.9	00.0	0774.5	0030	00.0	0255.8	00.0	0506.9	0020	00.0	0272.0	00.0	0069.2	0025	00.0	DEQ
64029	0127.1	00.0	0254.2	0030	00.1	0055.0	00.3	0043.7	0030	00.5	4118.7	07.6	0016.1	0150	05.4	HTS
64035	0177.0	00.0	0942.1	0020	00.1	0155.6	00.0	0461.9	0020	00.1	0125.0	00.0	0056.7	0020	00.1	DEQ
64035	0214.1	00.0	1131.3	0030	00.0	0178.1	00.0	0331.9	0040	00.0	0082.0	00.0	0051.2	0030	00.0	HTS
64040	0272.0	00.0	0604.5	0025	00.1	0517.1	00.7	0201.7	0050	00.8	0284.3	00.2	0041.7	0050	00.7	DEQ
64040	0430.2	00.1	0377.0	0040	00.1	0634.2	01.1	0113.9	0050	00.4	0112.0	00.0	0081.3	0040	00.1	HTS
66012	2168.6	02.7	0772.0	0130	02.3	1911.2	01.8	0556.9	0120	01.6	1163.6	00.2	0054.2	0090	00.2	DEQ
66012	1753.7	01.9	1023.5	0200	02.0	2287.5	01.7	0695.2	0250	01.5	1114.4	00.1	0048.7	0175	00.2	HTS
66036	3312.3	03.2	1757.5	0160	02.9	3482.3	04.2	0724.5	0220	03.8	3842.1	05.9	0051.7	0120	04.8	DEQ
66036	3199.1	02.4	2023.0	0300	03.0	3219.1	03.4	0738.0	0375	04.1	4018.7	06.0	0074.2	0325	07.0	HTS
66041	0505.6	02.0	0506.6	0000	02.0	0380.1	01.1	0205.8	0000	01.0	8016.9	08.1	0050.6	0220	08.1	HTS
70035	1603.8	00.6	2502.8	0050	00.7	1865.7	00.5	1032.1	0130	00.7	2305.5	02.5	0101.7	0110	02.4	DEQ
70035	1741.7	00.7	2511.5	0200	00.9	2251.9	00.6	1026.1	0250	00.8	2744.0	03.4	0106.7	0260	04.0	HTS
70089	2097.1	00.9	2250.2	0110	00.9	2742.5	01.1	1069.7	0170	01.1	4122.0	06.2	0081.7	0200	04.8	DEQ
70089	1954.7	01.3	1827.0	0225	01.6	2739.3	01.9	0699.6	0325	02.4	4418.6	06.5	0076.8	0375	07.1	HTS
70221	2618.0	01.6	1982.6	0150	01.7	3012.4	03.4	0306.8	0210	03.4	3882.1	05.5	0056.7	0200	05.4	DEQ
70221	2692.8	01.7	2209.5	0160	01.8	2644.8	02.6	0425.0	0190	02.6	3135.8	03.5	0087.1	0170	03.2	HTS
70227	3712.2	01.1	2342.8	0480	04.4	3212.4	01.2	0626.9	0620	04.6	3582.2	04.4	0081.7	0190	04.4	DEQ
70227	2565.0	01.4	2278.5	0180	01.6	2756.1	01.9	0564.4	0210	02.1	3728.9	06.1	0091.3	0250	07.1	HTS
70261	3032.4	03.2	1459.8	0200	03.5	4192.0	04.8	0219.2	0325	05.0	9969.7	08.7	0026.6	0670	09.3	DEQ
70281	3039.2	03.6	1306.4	0210	03.6	6127.6	05.2	0248.7	0380	05.0	9996.0	09.8	0038.6	0950	09.5	HTS
76006	2775.2	01.4	2222.7	0140	01.3	2986.6	01.8	0872.1	0170	01.7	2395.3	02.5	0126.7	0100	02.2	DEQ
76006	2389.9	02.2	1873.0	0150	02.8	2792.1	03.9	0364.5	0210	04.8	3209.1	05.8	0066.3	0160	07.2	HTS
76011	2312.6	00.6	2400.3	0120	00.6	2836.5	01.0	1182.2	0160	00.9	4232.0	05.7	0074.2	0225	04.8	DEQ
76011	2392.8	01.3	1648.6	0170	02.2	3695.5	03.8	0392.9	0230	03.0	4025.4	06.3	0076.5	0180	04.3	HTS
76041	2020.5	01.9	2077.6	0125	02.1	2216.6	02.1	0464.4	0160	02.2	2262.6	04.2	0061.7	0130	04.3	DEQ
76041	2729.5	01.5	1974.9	0150	01.7	2630.4	02.1	0676.5	0200	02.0	4598.5	05.5	0084.0	0450	02.0	HTS
76046	1676.0	00.3	1800.6	0070	00.3	3718.9	03.8	0372.9	0200	04.0	9996.0	07.7	0036.3	0600	07.6	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

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CELL NO=13    MODEL YR(S)=1976,1977

   MAKE=VOLVO                     MODEL=240

             ---HI (LAB)---      HI (GAR)       ---LO (LAB)---      LO (GAR)        --IDLE (LAB)--       IDLE(GAR)
EPA NO      HC     CO    NOX     HC   CO       HC     CO    NOX     HC   CO       HC     CO    NOX      HC   CO  LAB

60130    1750.9 01.3 1087.2   0070 01.2    1527.2 01.5 0406.8   0080 01.5    2618.0 03.4 0069.2   0150 03.3 DEQ
60130    1456.6 00.8 1308.0   0125 01.2    1273.5 00.9 0475.1   0175 01.3    2867.1 03.4 0074.4   0250 03.9 HTS
60169    0365.9 00.3 0949.6   0035 00.4    0372.1 00.3 0574.4   0045 00.3    0528.3 00.6 0086.7   0060 00.7 DEQ
60169    0349.3 00.3 1152.4   0035 00.4    0643.4 00.2 0424.6   0060 00.3    1222.5 00.6 0049.7   0110 00.6 HTS
60184    0225.0 00.1 0879.6   0035 00.2    0246.4 00.1 0444.3   0040 00.2    0439.5 00.2 0061.7   0060 00.2 DEQ

60184    0280.1 00.2 0687.9   0150 00.3    0304.1 00.2 0387.3   0200 00.3    0577.2 00.2 0126.8   0225 00.3 HTS
60200    0430.3 00.2 1117.2   0050 00.2    0522.2 00.1 0529.4   0055 00.2    0519.1 00.5 0069.2   0060 00.6 DEQ
60200    0211.3 00.2 0622.0   0030 00.1    0205.3 00.1 0235.4   0030 00.0    0196.3 00.2 0026.3   0030 00.1 HTS
60264    0402.7 00.2 1222.2   0040 00.2    0344.5 00.2 0521.9   0040 00.2    0563.5 00.2 0061.7   0050 00.2 DEQ
60264    0289.1 00.2 1059.3   0020 00.2    0484.2 00.3 0405.1   0040 00.4    0430.2 00.2 0057.5   0050 00.4 HTS

60265    0488.5 00.2 1117.2   0050 00.3    0421.1 00.1 0519.4   0050 00.2    0920.5 00.4 0066.7   0100 00.5 DEQ
60265    0502.2 00.2 0917.2   0070 00.1    0490.2 00.2 0413.5   0060 00.1    1525.6 00.4 0053.0   0140 00.1 HTS
60269    0301.6 00.2 0919.6   0030 00.3    0552.7 00.5 0436.8   0050 00.5    0859.2 01.5 0074.2   0060 01.4 DEQ
60269    0211.1 00.2 0817.0   0050 00.2    0511.2 00.5 0351.4   0070 00.5    1009.4 01.5 0064.9   0070 01.6 HTS
60317    0344.5 00.2 0647.0   0035 00.3    0329.2 00.3 0394.3   0040 00.3    0280.1 00.3 0059.2   0035 00.3 DEQ

60317    0248.6 00.2 0678.5   0050 00.1    0385.3 01.0 0198.6   0070 01.0    0297.6 00.5 0053.0   0070 00.5 HTS
60319    0303.8 00.3 1152.2   0050 00.3    0457.8 00.3 0549.4   0050 00.3    1606.9 00.3 0051.7   0130 00.4 DEQ
60319    0302.3 00.4 0968.7   0040 00.4    1058.1 01.5 0464.0   0090 01.5    1957.7 00.9 0058.8   0150 00.8 HTS
60322    0356.7 00.2 0967.1   0050 00.2    0497.7 00.1 0424.3   0060 00.2    1125.8 00.1 0041.7   0230 00.2 DEQ
60322    0299.2 00.2 0903.2   0030 00.3    0519.5 00.3 0364.5   0050 00.4    0941.8 00.1 0053.9   0100 00.2 HTS

60324    0341.4 00.0 0837.0   0040 00.1    0197.4 00.0 0296.8   0035 00.1    0261.7 00.0 0056.7   0040 00.1 DEQ
60324    1392.7 00.9 0692.8   0120 01.1    1481.4 01.0 0232.0   0150 01.0    0401.6 00.0 0177.1   0060 00.1 HTS
60395    0297.6 00.2 1029.4   0030 00.2    0340.4 00.3 0525.7   0035 00.3    0291.4 00.3 0060.1   0030 00.2 HTS
60408    0891.0 00.3 1046.1   0060 00.4    1487.5 00.4 0494.6   0120 00.4    1820.9 02.1 0064.9   0100 02.0 HTS
60412    3938.8 02.4 0654.6   0200 02.2    2365.5 00.1 0372.9   0190 00.2    4498.5 00.1 0060.1   0420 00.1 HTS

60444    0606.5 00.3 0587.8   0040 00.4    0441.3 00.6 0284.5   0030 00.5    0496.4 00.6 0062.5   0030 00.7 HTS
60445    0305.3 00.3 0903.2   0010 00.3    0277.8 00.3 0439.7   0005 00.2    0430.8 00.3 0066.1   0010 00.2 HTS
60479    0501.2 00.2 1405.5   0020 00.2    0458.3 00.2 0706.7   0020 00.2    0553.2 00.2 0078.2   0020 00.2 HTS
60511    0339.0 00.1 1116.7   0025 00.1    0492.0 00.1 0493.1   0050 00.1    0544.0 00.3 0068.5   0025 00.2 HTS
60519    0354.3 00.3 0912.9   0010 00.4    0378.8 00.5 0454.3   0010 00.5    0314.5 00.3 0063.6   0010 00.4 HTS

60545    0309.8 00.2 0933.9   0010 00.2    0276.1 00.2 0430.2   0010 00.2    0343.4 00.1 0060.1   0010 00.2 HTS
60564    0507.3 00.2 1309.1   0040 00.2    0504.2 00.1 0607.2   0040 00.1    0782.7 00.2 0058.8   0060 00.2 HTS
60568    0277.8 00.3 1206.5   0020 00.1    0403.3 00.2 0568.3   0020 00.1    0458.3 00.2 0066.1   0020 00.1 HTS
60611    0274.7 00.3 0985.7   0020 00.3    0348.2 00.2 0468.3   0030 00.2    0400.2 00.2 0070.9   0035 00.2 HTS
60632    0404.6 00.3 1241.9   0030 00.3    0725.6 00.4 0738.2   0060 00.4    1408.0 01.2 0057.7   0080 01.2 HTS

60699    0248.6 00.3 0764.4   0010 00.4    0435.2 00.6 0446.9   0020 00.6    0527.0 00.6 0072.1   0030 00.6 HTS
60724    0400.2 00.5 1012.4   0020 01.0    0902.0 00.8 0536.8   0060 00.7    0764.3 00.2 0061.2   0050 00.3 HTS
60728    0296.2 00.3 1010.0   0040 00.2    0271.7 00.3 0396.1   0040 00.3    0296.2 00.2 0061.2   0040 00.2 HTS
64027    0691.8 00.1 1242.2   0050 00.1    0762.2 00.1 0580.9   0050 00.1    0780.6 00.1 0056.7   0060 00.1 DEQ
64027    0067.0 00.0 0271.7   0040 00.2    0211.1 00.0 0133.9   0065 00.2    0706.3 00.0 0018.6   0500 00.2 HTS

64037    0368.5 00.2 1297.3   0030 00.3    0394.6 00.2 0669.5   0035 00.2    0311.9 00.4 0061.7   0030 00.4 DEQ
64037    0292.3 00.3 1001.5   0050 00.3    0340.3 00.5 0346.7   0050 00.6    0352.3 00.1 0047.3   0060 00.2 HTS
70325    1875.1 01.9 1679.7   0130 02.0    1406.9 01.5 0274.7   0090 01.6    1602.8 01.3 0063.6   0120 01.4 HTS
70475    3385.7 04.9 0915.3   0150 04.8    9992.8 06.4 0325.7   0430 06.4    9992.8 01.3 0039.4   2000 01.3 HTS
70511    2300.5 01.5 1207.2   0120 01.6    2569.7 01.9 0755.2   0140 01.9    2269.9 02.4 0075.8   0120 02.4 HTS

70558    0158.5 00.0 0041.8   0020 00.0    0146.2 00.0 0015.1   0020 00.0    0069.7 00.0 0012.7   0010 00.0 HTS
70561    2218.6 02.1 0757.3   0120 02.2    2209.4 01.5 0346.6   0130 01.5    0817.6 00.0 0081.6   0050 00.1 HTS
70598    1761.9 01.3 0863.8   0110 01.4    1963.9 01.8 0524.7   0120 01.9    1881.2 01.4 0075.8   0110 01.4 HTS
70602    2573.5 02.4 0745.3   0170 02.6    2588.8 03.4 0244.0   0170 03.4    3050.1 04.9 0057.7   0130 04.7 HTS
70603    1512.0 01.3 1196.6   0060 01.4    1765.9 02.0 0279.8   0100 02.0    2490.9 01.0 0041.0   0150 01.0 HTS

70650    2445.0 02.0 0856.1   0120 02.4    2322.6 02.1 0382.4   0120 02.1    3290.2 03.3 0064.9   0150 03.2 HTS
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                              APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=14    MODEL YR(S)=1975

   MAKE=DODGE PLYMOUTH           MODEL=DART VALIANT

             ---HI (LAB)---     HI (GAR)       ---LO (LAB)---       LO (GAR)         --IDLE (LAB)--       IDLE(GAR)
EPA NO      HC     CO     NOX    HC    CO      HC     CO     NOX     HC    CO        HC     CO     NOX     HC    CO LAB

50005   0161.7 00.0 0584.4   0020 00.0   0152.5 00.0 0939.6   0025 00.0   1883.6 01.3 0166.7   0135 01.4 DEQ
50005   0124.2 00.0 0563.3   0030 00.0   0112.2 00.0 1193.8   0030 00.0   0061.2 00.0 0332.1   0020 00.0 HTS
50067   0145.3 00.0 2502.8   0030 00.0   0105.5 00.0 1414.8   0030 00.0   0126.9 00.0 0149.2   0025 00.0 DEQ
50067   0076.0 00.0 1669.8   0150 00.1   0055.0 00.0 1106.7   0200 00.1   0100.0 00.0 0121.8   0200 00.1 HTS
50073   0531.4 00.1 0574.4   0040 00.2   2758.9 01.7 1847.5   0210 01.8   9969.7 10.5 0056.7   0560 10.0 DEQ

50073   0754.4 00.1 0738.6   0070 00.2   1462.6 00.5 1683.0   0130 00.8   5274.9 08.0 0083.8   0350 02.1 HTS
50080   3482.3 00.8 0171.7   0240 07.7   3482.3 00.5 0419.3   0220 04.5   2462.7 02.4 0124.2   0150 01.6 DEQ
50060   3645.6 06.6 0232.3   0250 06.0   3155.8 03.1 0784.8   0230 04.4   0496.9 00.0 0154.4   0070 00.1 HTS
50098   2755.9 02.8 0531.9   0185 02.8   2530.5 02.1 0464.4   0220 02.1   3182.4 03.2 0076.7   0210 03.1 DEQ
50098   1459.6 01.6 0330.3   0300 02.0   2098.8 01.8 0187.8   0320 02.1   2257.9 01.3 0081.6   0330 01.7 HTS

50100   1190.1 01.4 2502.8   0100 01.6   2354.3 03.4 1172.2   0170 03.0   4002.0 07.5 0066.7   0240 07.2 DEQ
50100   0319.3 00.0 2438.1   0050 00.0   0355.3 00.0 2438.1   0060 00.0   2532.8 02.1 0194.1   0175 02.4 HTS
50101   0525.3 00.1 2502.8   0050 00.2   0451.7 00.0 1882.5   0050 00.1   3162.4 03.9 0126.7   0240 03.8 DEQ
50101   0259.1 00.0 2428.2   0160 00.1   0274.1 00.0 2290.6   0200 00.1   2446.9 01.6 0142.0   0340 02.2 HTS
50111   1643.6 01.4 1132.2   0070 00.9   1260.6 01.0 1214.7   0110 01.1   1693.0 01.2 0296.8   0160 01.8 DEQ

50111   1168.5 00.5 1279.0   0065 00.5   0763.4 00.0 1422.6   0070 00.1   0538.3 00.1 0361.3   0060 00.1 HTS
50186   0142.2 00.0 0609.4   0030 00.1   0179.0 00.0 0759.5   0040 00.1   1876.5 02.3 0131.7   0140 02.3 DEQ
50186   0097.0 00.0 0607.9   0050 00.1   0091.0 00.0 0501.7   0050 00.1   1867.7 01.4 0163.7   0160 01.5 HTS
50222   0365.9 00.0 0902.1   0045 00.1   0865.4 00.0 1062.1   0080 00.1   5531.4 07.3 0061.7   0430 07.4 DEQ
50222   0298.3 00.0 0792.1   0050 00.0   0430.3 00.0 1076.6   0055 00.0   6064.5 06.9 0060.4   0455 06.7 HTS

50261   2066.5 01.2 0594.4   0160 03.2   2559.8 01.1 0797.0   0210 03.1   2532.2 01.2 0076.7   0195 03.1 DEQ
50261   2588.1 02.7 0592.6   0199 02.6   2594.2 01.4 1150.7   0215 01.4   2670.7 01.7 0090.3   0210 01.8 HTS
50262   1260.6 01.3 2502.8   0100 01.3   2143.1 01.6 1972.6   0165 01.7   2765.1 04.5 0189.2   0185 04.4 DEQ
50262   0707.5 00.9 1495.0   0080 01.0   1536.5 01.0 1043.8   0135 01.3   2441.9 04.2 0160.4   0160 04.3 HTS
50267   0414.9 00.1 1437.3   0055 00.1   2667.0 01.1 1057.1   0210 01.1   8210.4 09.4 0034.1   0390 09.2 DEQ

50267   0513.4 00.1 1361.8   0075 00.1   1829.2 00.2 1167.7   0140 00.1   6094.5 08.8 0046.6   0370 09.0 HTS
50281   0280.1 00.0 1805.0   0045 00.1   2081.8 01.1 1997.6   0160 01.1   4042.0 07.5 0089.2   0260 07.8 DEQ
50281   0579.0 00.2 0583.0   0070 00.1   1781.2 00.8 1007.9   0150 00.5   5028.3 07.2 0072.1   0320 07.2 HTS
50308   1857.6 01.8 2397.4   0150 02.1   2597.9 02.1 1566.6   0230 02.4   3778.9 06.8 0112.7   0260 07.5 HTS
50319   0218.0 00.1 0802.6   0030 00.1   1720.0 00.9 0566.3   0110 01.0   2105.4 02.8 0107.9   0130 02.8 HTS

50337   1960.8 02.3 1109.5   0100 02.4   1752.7 00.9 1522.0   0110 01.0   0531.8 00.0 0175.3   0040 00.0 HTS
50341   0369.6 00.0 1206.5   0020 00.1   0926.5 00.2 1606.9   0050 00.2   2095.4 02.1 0148.6   0100 01.8 HTS
50344   5837.9 09.6 0258.3   0300 05.8   6627.5 08.2 0244.0   0400 08.2   6077.8 08.1 0105.5   0320 08.0 HTS
50367   0308.4 00.0 1473.4   0015 00.0   1700.7 00.6 1915.1   0075 00.6   3675.5 05.8 0114.6   0130 05.5 HTS
50360   1689.4 00.8 1201.3   0100 00.8   0741.1 00.0 1294.4   0050 00.0   3019.2 04.7 0112.7   0170 04.6 HTS

50385   0819.4 00.2 1043.9   0050 00.1   2555.8 02.3 0740.6   0160 02.1   4125.4 07.4 0075.8   0200 07.0 HTS
50416   0065.1 00.0 1533.2   0000 00.0   0065.1 00.0 1506.9   0025 00.0   0055.9 00.0 0265.4   0000 00.0 HTS
50436   0144.6 00.0 1771.9   0010 00.0   0155.9 00.0 1896.1   0010 00.0   1258.1 00.6 0265.4   0060 00.9 HTS
50450   0641.9 00.1 2436.8   0060 00.1   1440.6 00.3 2436.8   0100 00.2   4715.1 07.2 0138.9   0270 07.4 HTS
50460   0450.5 00.0 1323.1   0050 00.0   0398.5 00.0 2278.1   0050 00.0   2969.2 04.2 0143.7   0160 04.1 HTS

50464   0201.3 00.0 1684.5   0030 00.0   0231.9 00.0 2436.8   0030 00.0   2220.9 01.5 0180.1   0100 01.6 HTS
50468   1467.5 00.6 1048.5   0100 00.9   2781.5 01.0 1172.7   0200 01.0   3590.3 04.5 0069.7   0200 04.4 HTS
50482   4560.6 07.1 0244.0   0280 07.2   8161.7 09.1 0057.7   0540 09.2   9992.3 09.9 0019.5   2000 10.0 HTS
50530   0267.0 00.0 2397.4   0040 00.1   0410.7 00.0 2397.4   0060 00.1   2267.6 02.3 0196.2   0120 02.0 HTS
50543   0123.2 00.0 0208.2   0000 00.0   0111.0 00.0 0532.8   0020 00.0   0150.7 00.0 0181.9   0020 00.0 HTS

50546   3586.9 06.8 0609.6   0200 06.8   4367.2 06.2 0381.5   0300 06.2   3887.0 06.0 0102.5   0215 06.0 HTS
50556   0421.6 00.1 1495.5   0040 00.3   0296.2 00.0 2259.6   0020 00.0   2324.9 01.9 0121.9   0100 02.0 HTS
54018   0728.5 00.4 0296.8   0030 00.2   0311.9 00.0 2502.8   0030 00.0   1099.3 00.9 0086.7   0070 00.8 DEQ
54018   0217.3 00.2 0392.1   0030 00.2   0112.2 00.0 2178.2   0035 00.0   0121.2 00.1 0089.4   0020 00.1 HTS
54024   0664.2 00.0 1497.4   0070 00.0   0615.2 00.0 1087.4   0070 00.0   2413.7 01.3 0214.2   0150 01.2 DEQ

54024   0427.3 00.0 1517.5   0040 00.0   0412.3 00.0 1393.4   0050 00.0   0238.3 00.0 0225.0   0030 00.0 HTS
54025   0624.4 00.0 2502.8   0070 00.0   0455.9 00.0 2502.8   0060 00.0   1148.3 00.1 0329.3   0130 00.1 DEQ
54025   0319.3 00.0 2430.3   0050 00.0   0211.3 00.0 2430.3   0050 00.0   0154.2 00.0 0349.1   0040 00.0 HTS
56001   0302.7 00.0 2502.8   0050 00.1   1727.4 00.4 1379.8   0140 00.5   9989.7 05.6 0026.6   0040 05.5 DEQ
56001   0859.3 00.3 2509.5   0080 00.4   4258.6 01.8 1504.6   0250 02.0   9996.0 11.1 0031.2   1500 10.0 HTS

56005   0567.6 00.0 0802.0   0060 00.1   1917.3 00.0 0501.9   0280 00.1   0400.7 00.0 0121.7   0070 00.1 DEQ
56005   0661.4 00.0 1050.0   0090 00.0   1654.6 00.0 0677.3   0190 00.0   0517.3 00.0 0332.1   0070 00.0 HTS
56006   0174.0 00.0 2502.8   0045 00.0   0226.1 00.0 2192.7   0040 00.0   2651.8 04.0 0149.2   0220 03.2 DEQ
56006   0115.2 00.0 2498.4   0030 00.0   0103.2 00.0 1717.9   0030 00.0   0124.2 00.0 0339.6   0050 00.0 HTS
56034   0896.0 00.7 2062.6   0050 00.6   1107.4 00.7 0832.0   0110 00.9   0387.4 00.0 0119.2   0060 00.1 DEQ

56034   0763.4 00.6 1635.8   0050 00.6   0514.3 00.3 0665.7   0050 00.4   0229.3 00.0 0189.2   0030 00.0 HTS
56039   0169.1 00.0 2397.4   0020 00.0   0196.6 00.0 2397.4   0030 00.0   2160.5 02.7 0275.0   0120 02.7 HTS
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APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

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CELL NO=15    MODEL YR(S)=1976

   MAKE=DODGE PLYMOUTH          MODEL=DART VALIANT ASPEN VOLARE

            ---HI (LAB)---    HI (GAR)      ---LO (LAB)---     LO (GAR)         --IDLE (LAB)--      IDLE(GAR)
EPA NO      HC    CO    NOX    HC   CO      HC    CO    NOX     HC   CO         HC    CO    NOX      HC   CO LAB

60199  0099.4 00.0 1109.7  0030 00.0  0108.5 00.0 2502.8  0040 00.0  0114.7 00.0 0386.8  0040 00.0 DEQ
60199  0079.0 00.0 1246.5  0130 00.1  0112.0 00.0 2511.5  0190 00.1  0061.0 00.0 0362.2  0170 00.1 HTS
60201  0736.7 00.2 1154.7  0100 00.3  0816.3 00.1 1664.9  0090 00.1  3202.4 04.5 0101.7  0240 04.2 DEQ
60201  0965.4 00.4 1228.3  0080 00.2  1216.5 00.1 1506.0  0090 00.1  3429.0 03.3 0156.4  0230 00.9 HTS
60205  0405.8 00.0 1399.8  0055 00.1  0252.6 00.0 1182.2  0050 00.1  0185.1 00.0 0619.4  0045 00.1 DEQ

60205  1210.5 00.9 1015.8  0090 01.1  0562.3 00.0 1088.8  0050 00.1  1321.5 00.1 0602.5  0140 00.5 HTS
60211  1796.8 00.9 0644.4  0135 01.0  2532.2 00.8 1344.8  0195 00.9  4901.7 07.3 0071.7  0350 07.8 DEQ
60211  1012.4 00.5 0797.0  0080 00.6  0712.4 00.0 1132.5  0070 00.1  3825.5 04.9 0128.4  0280 04.8 HTS
60223  0372.1 00.0 1629.9  0050 00.1  0424.1 00.0 2215.2  0070 00.1  2480.1 01.6 0114.2  0150 01.8 DEQ
60223  0397.2 00.0 1684.6  0065 00.1  0436.2 00.0 1728.1  0080 00.1  1450.6 00.4 0084.0  0150 00.1 HTS

60270  1239.2 00.2 1567.4  0110 00.2  1444.5 00.1 1159.7  0130 00.2  4311.9 04.4 0106.7  0340 04.3 DEQ
60270  0553.2 00.0 1900.9  0085 00.0  1135.4 00.0 1263.4  0110 00.0  4348.6 02.4 0241.6  0390 02.6 HTS
60280  0476.2 00.1 2502.8  0045 00.1  0739.7 00.1 2215.2  0080 00.2  2642.6 01.2 0174.2  0220 01.4 DEQ
60280  0535.2 00.1 2397.4  0060 00.2  0706.3 00.1 2056.0  0080 00.1  2510.0 00.6 0198.6  0250 00.5 HTS
60281  0396.6 00.0 1637.4  0040 00.1  0427.2 00.0 2502.8  0045 00.1  1622.2 00.5 0299.3  0095 00.4 DEQ

60281  0217.1 00.0 1628.7  0070 00.0  0448.2 00.0 2266.1  0080 00.0  0967.4 00.2 0186.7  0155 00.2 HTS
60287  0543.6 00.2 0651.9  0055 00.3  0411.9 00.0 0994.6  0050 00.1  1521.1 00.2 0266.8  0150 00.5 DEQ
60287  0667.3 00.6 0626.0  0050 00.4  0529.2 00.0 0762.0  0070 00.0  0790.3 00.1 0466.0  0070 00.0 HTS
60347  3452.3 07.4 0129.2  0250 07.5  4242.0 05.7 0199.2  0300 05.8  6641.0 08.0 0031.6  0400 08.1 DEQ
60347  3628.9 06.7 0217.7  0290 07.2  4608.5 04.7 0337.1  0335 05.2  6657.5 08.0 0076.8  0550 08.6 HTS

60348  1928.6 01.7 1372.3  0160 01.8  1845.9 00.5 2502.8  0170 00.6  2749.7 02.3 0196.7  0220 02.2 DEQ
60348  1936.3 01.3 1611.7  0130 00.8  0951.0 00.0 2436.8  0100 00.1  2312.7 00.3 0299.0  0210 00.4 HTS
60358  0398.5 00.3 0497.0  0060 00.4  0634.0 00.5 0172.3  0080 00.6  2679.4 03.7 0081.6  0250 04.0 HTS
60388  0455.3 00.2 1252.6  0030 00.2  0277.8 00.0 1895.7  0030 00.0  0905.1 00.1 0126.7  0060 00.1 HTS
60400  1575.2 01.5 2017.0  0060 01.5  1361.0 00.4 1337.6  0065 00.3  3515.6 03.9 0170.4  0160 03.2 HTS

60413  0372.7 00.0 1327.8  0030 00.0  0311.5 00.0 1133.7  0025 00.0  1012.2 00.1 0376.7  0060 00.1 HTS
60452  0383.2 00.0 0683.3  0100 00.4  1659.8 00.0 0229.6  0160 00.1  9626.2 09.2 0036.3  0060 09.6 HTS
60462  3305.7 04.9 0197.1  0150 05.4  2885.5 02.1 0381.5  0140 02.4  3125.8 00.6 0243.2  0160 00.8 HTS
60483  0586.9 00.0 2436.8  0040 00.0  1345.7 00.1 2436.8  0080 00.2  4165.3 05.3 0172.8  0230 05.0 HTS
60495  0478.0 00.1 1120.2  0050 00.1  1050.1 00.0 1327.9  0080 00.1  3978.8 05.8 0124.6  0300 05.4 HTS

60526  1027.5 00.0 1388.5  0060 00.0  0764.3 00.0 0757.6  0040 00.0  0507.3 00.0 0138.9  0030 00.0 HTS
60530  6774.2 09.5 0109.7  0400 09.5  8223.6 08.2 0097.6  0510 08.2  9992.8 11.1 0032.1  0820 10.0 HTS
60581  0649.3 00.2 0833.7  0050 00.2  1117.4 00.0 0774.0  0100 00.0  3289.1 03.7 0224.9  0220 03.6 HTS
60584  1562.3 00.7 2397.4  0100 00.8  3390.2 01.2 2122.9  0300 01.2  5740.9 05.6 0105.5  0350 05.2 HTS
60622  1970.8 01.2 1175.1  0120 01.4  1778.1 00.3 1079.6  0130 00.4  4460.5 05.7 0069.7  0300 05.3 HTS

60633  3656.9 07.3 0277.2  0120 07.2  4047.1 05.4 0194.7  0280 05.2  4647.3 03.4 0333.0  0300 03.4 HTS
60640  1573.2 00.3 2397.4  0080 00.4  2890.0 01.0 1444.9  0180 01.1  4910.7 06.2 0122.2  0310 05.8 HTS
60642  4560.6 08.7 0289.3  0240 07.9  5060.7 08.2 0217.7  0320 07.4  5210.8 05.6 0098.3  0340 05.6 HTS
60679  0753.3 00.5 2397.4  0050 00.4  3010.1 01.7 1688.4  0200 02.0  6531.2 09.0 0062.5  0380 09.0 HTS
60668  0799.2 00.0 1366.1  0060 00.1  0924.6 00.0 0933.9  0090 00.0  4510.6 04.2 0131.8  0320 04.0 HTS

60702  2392.3 02.9 0536.8  0140 03.0  2554.2 01.7 0388.8  0180 01.7  1651.7 00.2 0221.4  0120 00.3 HTS
60723  2292.0 00.9 2441.7  0140 01.2  3230.1 00.6 2397.4  0220 00.7  6511.2 06.1 0196.2  0460 06.0 HTS
64009  0368.8 00.0 1102.2  0035 00.1  0281.2 00.0 0609.4  0045 00.1  0930.8 00.2 0069.2  0100 00.3 DEQ
64009  0508.2 00.3 0810.2  0060 00.3  0439.2 00.0 0695.3  0060 00.0  3339.1 01.4 0128.0  0300 01.3 HTS
66006  0186.2 00.0 1522.4  0025 00.0  1258.6 00.3 0757.0  0080 00.1  5131.6 06.7 0039.1  0110 06.0 DEQ

66006  2230.9 00.6 0637.8  0200 00.4  1654.6 00.5 0270.4  0160 00.4  9996.0 04.6 0025.5  2000 05.0 HTS
66007  0468.1 00.0 0989.6  0040 00.1  0578.4 00.0 0694.5  0050 00.1  3202.4 02.0 0161.7  0250 02.0 DEQ
66007  1147.5 00.7 0950.0  0090 00.6  0568.3 00.0 0472.2  0070 00.1  3985.4 01.9 0282.1  0260 01.7 HTS
66008  0707.1 00.2 0832.0  0070 00.3  2395.3 01.3 0531.9  0210 01.3  3602.2 03.9 0015.6  0280 03.6 DEQ
66008  2194.7 00.2 1537.8  0180 00.3  7503.7 00.3 0904.9  0620 00.5  9992.8 06.5 0046.9  2000 06.2 HTS

66038  3452.3 07.9 0111.7  0275 08.2  3622.2 03.4 0246.7  0300 03.3  4281.9 02.7 0079.2  0375 02.8 DEQ
66038  3004.8 06.9 0232.0  0250 01.8  2047.3 00.6 0540.0  0200 01.0  1869.9 00.0 0079.2  0100 00.1 HTS
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APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=16 MODEL YR(S)=1977

MAKE=DODGE PLYMOUTH MODEL=ASPEN VOLARE

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70022	0179.0	00.0	1692.4	0030	00.1	0139.2	00.0	2502.8	0030	00.1	0157.6	00.0	0194.2	0030	00.1	DEQ
70022	0223.1	00.0	1689.9	0200	00.1	0157.1	00.0	2511.5	0225	00.1	0166.1	00.0	0214.5	0250	00.1	HTS
70112	1793.8	00.8	0279.3	0155	01.0	2213.5	01.1	1915.1	0200	01.2	2578.2	00.8	0111.7	0215	00.8	DEQ
70112	0346.1	00.0	0339.9	0110	00.1	1606.6	00.7	1612.2	0340	01.1	2919.3	01.1	0096.1	0440	01.1	HTS
70131	0096.3	00.0	0191.7	0030	00.0	0096.3	00.0	1194.7	0030	00.0	0059.5	00.0	0081.7	0020	00.0	DEQ
70131	0046.0	00.0	0214.5	0150	00.1	0061.0	00.0	1239.0	0180	00.1	0052.0	00.0	0061.6	0190	00.1	HTS
70135	1116.6	00.7	2502.8	0100	00.9	0761.2	00.3	2502.8	0060	00.4	0369.0	00.0	0214.2	0060	00.0	DEQ
70135	0208.1	00.0	1692.4	0170	00.1	0133.1	00.0	2511.5	0240	00.1	0190.1	00.0	0201.9	0230	00.1	HTS
70139	1420.0	00.4	1084.7	0130	00.5	0332.2	00.0	1537.4	0060	00.1	2277.9	00.8	0129.2	0160	00.9	DEQ
70139	2203.7	02.0	0670.4	0160	01.8	1933.7	00.7	1150.0	0160	00.9	2895.9	01.1	0283.4	0200	01.0	HTS
70179	1196.3	01.7	2352.8	0085	01.9	1557.8	02.7	1527.4	0120	02.6	4351.9	06.0	0059.2	0280	05.8	DEQ
70179	0169.1	00.1	1262.1	0050	00.0	0205.1	00.0	2428.2	0050	00.0	2759.1	02.2	0516.1	0250	02.0	HTS
70238	0920.5	00.4	0346.8	0100	00.4	2274.8	02.1	1159.7	0160	02.2	4961.7	06.3	0076.7	0240	06.2	DEQ
70238	0430.3	00.1	0808.6	0060	00.1	2350.8	01.9	1660.3	0195	02.1	4845.0	05.3	0117.0	0250	05.2	HTS
70245	1781.5	02.3	0649.4	0120	01.9	2326.9	03.3	1882.5	0120	02.6	2952.0	03.6	0151.7	0160	02.8	DEQ
70245	0211.1	00.0	0726.2	0050	00.1	1735.7	01.2	2397.4	0160	01.4	2053.8	01.0	0315.6	0200	01.5	HTS
70286	0157.6	00.0	1642.4	0035	00.1	0126.9	00.0	2502.8	0040	00.1	0108.5	00.0	0394.3	0030	00.1	DEQ
70286	0120.1	00.0	1091.5	0040	00.0	0114.0	00.0	2397.4	0050	00.0	0077.3	00.0	0100.7	0040	00.0	HTS
70287	1518.0	01.1	0621.9	0120	01.3	0289.3	00.0	2502.8	0060	00.1	0506.9	00.1	0169.2	0070	00.2	DEQ
70287	1492.6	00.9	0422.8	0130	01.0	0259.2	00.0	2436.8	0060	00.0	1455.9	00.7	0262.6	0140	00.6	HTS
70307	0255.4	00.0	1162.2	0050	00.1	0347.5	00.0	2502.8	0060	00.1	0221.9	00.0	0239.2	0040	00.1	DEQ
70307	0384.9	00.0	0354.8	0060	00.0	0596.0	00.1	2186.8	0090	00.1	0222.7	00.0	0211.7	0050	00.0	HTS
70326	1716.0	00.5	0709.1	0145	00.6	0773.5	00.2	1587.5	0080	00.1	2651.3	02.0	0299.0	0235	02.0	HTS
70335	0684.9	00.4	0427.8	0060	00.4	0609.6	00.4	1657.3	0040	00.2	0288.4	00.0	0518.5	0010	00.0	HTS
70368	0100.3	00.0	0364.5	0010	00.0	0143.2	00.0	1252.6	0020	00.0	0088.1	00.0	0192.2	0015	00.0	HTS
70383	0308.4	00.0	0920.2	0000	00.0	0173.8	00.0	2436.8	0000	00.0	0121.7	00.0	0379.1	0000	00.0	HTS
70410	2169.7	02.1	0427.8	0150	02.0	0900.2	00.2	0905.3	0090	00.3	0360.1	00.0	0360.9	0030	00.0	HTS
70412	0465.8	00.0	0933.9	0050	00.0	2515.3	00.7	1810.1	0220	00.8	5418.1	05.5	0086.4	0440	05.5	HTS
70426	2185.0	02.1	0733.4	0150	02.2	2829.3	01.9	1920.0	0200	01.9	5228.2	06.7	0146.1	0340	06.5	HTS
70427	1606.8	01.3	2397.4	0090	01.4	1258.1	00.4	2397.4	0100	00.5	3079.2	03.8	0146.1	0190	03.9	HTS
70466	1872.9	01.3	2397.4	0100	01.6	3299.1	01.5	2175.4	0200	01.6	5728.0	07.6	0107.9	0320	07.5	HTS
70472	1862.9	00.0	0726.5	0120	00.0	1036.7	00.0	2189.3	0080	00.0	3965.4	02.3	0260.2	0220	02.4	HTS
70483	0253.3	00.0	0320.8	0000	00.0	0317.6	00.0	2436.8	0010	00.0	3325.7	01.5	0138.9	0160	01.0	HTS
70501	0190.5	00.0	2397.4	0020	00.1	0114.0	00.0	2397.4	0000	00.0	0117.1	00.0	0160.4	0000	00.0	HTS
70516	2101.6	01.1	0568.3	0140	01.4	0947.9	00.3	1344.8	0080	00.4	0253.3	00.0	0211.7	0020	00.0	HTS
70564	2133.0	02.1	0482.7	0140	02.2	1374.3	00.5	1597.6	0120	00.5	0312.8	00.0	0542.4	0020	00.0	HTS
70585	3025.7	04.2	0245.6	0180	04.0	3286.8	03.7	1138.6	0220	03.6	1996.4	00.3	0124.3	0140	00.3	HTS
70623	0384.9	00.0	0366.9	0060	00.0	0605.2	00.0	2436.8	0100	00.0	3196.8	00.7	0182.5	0240	01.0	HTS
70652	1252.0	00.3	2397.4	0120	00.4	0741.1	00.0	2397.4	0060	00.1	4460.5	04.2	0150.9	0230	04.4	HTS
74005	0051.4	00.0	0324.3	0010	00.1	0112.7	00.0	2502.8	0010	00.1	0666.4	00.2	0269.3	0100	00.7	DEQ
74005	0076.0	00.0	0547.8	0000	00.0	0082.0	00.0	2504.5	0000	10.0	0178.1	00.0	0285.4	0000	10.0	HTS
74007	0060.6	00.0	0201.7	0020	00.1	0097.4	00.0	0892.1	0020	00.1	2012.3	01.2	0176.7	0160	01.5	DEQ
74007	0079.2	00.0	0214.5	0050	00.0	0115.2	00.0	2498.4	0060	00.0	2116.7	00.5	0219.5	0180	00.6	HTS
76018	1453.7	00.4	0476.9	0130	00.5	0473.2	00.0	0101.7	0045	00.0	6081.2	07.4	0034.1	0350	06.6	DEQ
76018	0364.3	00.1	0254.2	0040	00.0	0253.3	00.0	0176.3	0010	00.0	4705.1	06.2	0035.1	0320	06.2	HTS
76028	0365.9	00.0	0566.9	0030	00.0	0559.0	00.0	1607.5	0040	00.0	4331.9	05.8	0116.7	0260	04.9	DEQ
76026	0343.3	00.1	0655.8	0045	00.1	2065.7	01.5	2077.4	0150	01.5	5764.7	07.3	0078.9	0360	07.5	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=17   MODEL YR(S)=1975

MAKE=CHRYS DODGE PLY   MODEL=CCRDCBA CORONET CHARGER FURY

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50131	0283.2	00.0	1309.8	0050	00.0	0264.8	00.0	1795.0	0060	00.0	0218.8	00.0	0141.7	0050	00.0	DEQ
50131	0220.1	00.0	0761.7	0150	00.1	0187.1	00.0	0557.2	0190	00.1	0205.1	00.0	0146.8	0230	00.1	MTS
50136	2124.7	01.8	1034.6	0140	01.8	2339.2	01.6	1732.5	0170	02.1	2029.7	01.0	0096.7	0160	02.9	DEQ
50136	0487.2	00.0	0738.0	0180	00.3	0466.2	00.5	0765.5	0210	01.0	0175.1	00.0	0064.2	0160	00.1	MTS
50139	0283.2	00.0	1404.8	0045	00.1	0249.5	00.0	1822.5	0050	00.1	1456.7	01.1	0146.7	0120	01.3	DEQ
50139	0145.1	00.0	1334.5	0200	00.1	0121.1	00.0	1633.9	0220	00.1	0085.0	00.0	0137.1	0220	00.1	MTS
50146	0249.5	00.0	1202.2	0035	00.1	0295.4	00.0	1479.8	0050	00.1	2933.6	04.0	0116.7	0210	04.0	DEQ
50146	0295.3	00.0	1494.8	0040	00.0	0325.3	00.0	1526.4	0050	00.0	3365.7	03.8	0135.7	0230	03.6	MTS
50151	0267.9	00.0	0914.6	0035	00.1	0274.0	00.0	0481.9	0040	00.1	1818.3	00.6	0164.2	0150	00.7	DEQ
50151	0160.2	00.0	0585.5	0030	00.0	0187.3	00.0	0568.5	0040	00.0	1681.6	00.3	0147.9	0150	00.4	MTS
50214	9989.7	00.1	1074.7	1520	00.2	9989.7	02.0	0211.7	1980	02.0	9989.7	04.1	0044.2	2000	03.6	DEQ
50214	9992.8	00.1	0966.6	1560	00.2	9992.8	01.2	0259.7	1920	01.3	9992.8	02.2	0065.2	1910	02.4	MTS
50223	0742.8	00.0	0489.4	0050	00.1	0522.2	00.0	0744.5	0050	00.1	2863.1	04.0	0079.2	0160	03.9	DEQ
50223	0070.0	00.0	0332.3	0040	00.0	0376.1	00.0	0616.4	0055	00.0	2756.1	03.7	0100.7	0260	03.7	MTS
50255	0203.5	00.0	1279.7	0045	00.1	0166.8	00.0	1932.6	0055	00.1	0093.2	00.0	0204.2	0035	00.1	DEQ
50255	0137.0	00.0	0961.4	0040	00.0	0094.2	00.0	0940.2	0030	00.0	0051.4	00.0	0158.1	0030	00.0	MTS
50260	0126.9	00.0	0459.4	0030	00.1	0093.2	00.0	0279.3	0030	00.1	0117.7	00.0	0101.7	0035	00.1	DEQ
50260	0124.8	00.0	0439.7	0030	00.0	0121.7	00.0	0410.6	0040	00.0	0143.2	00.0	0114.6	0045	00.0	MTS
50272	0353.7	00.0	1629.9	0055	00.1	0344.5	00.0	2502.8	0070	00.1	0246.4	00.0	0176.7	0045	00.1	DEQ
50272	0276.1	00.0	1795.0	0080	00.0	0315.9	00.0	2397.4	0080	00.0	0728.9	00.1	0196.2	0120	00.1	MTS
50286	0139.2	00.0	1867.5	0030	00.1	0188.2	00.0	2352.8	0040	00.1	1514.9	01.5	0196.7	0130	01.6	DEQ
50286	0156.8	00.0	1430.5	0050	00.0	0377.1	00.0	1573.8	0070	00.0	1683.3	01.6	0130.5	0170	01.8	MTS
50294	0231.1	00.0	1725.0	0055	00.1	0169.8	00.0	2502.8	0055	00.1	0323.0	00.2	0076.7	0065	00.3	DEQ
50294	0143.2	00.0	1347.3	0050	00.0	0091.1	00.0	1344.8	0060	00.0	0176.8	00.1	0051.5	0060	00.1	MTS
50313	0517.8	00.0	2118.1	0040	00.0	0563.7	00.0	2182.6	0050	00.0	2649.9	03.9	0100.7	0200	05.3	MTS
50351	0241.1	00.0	1519.5	0010	00.0	0342.1	00.0	2230.5	0010	00.0	2964.5	03.5	0206.8	0150	03.2	MTS
50352	0158.5	00.0	1325.4	0010	00.0	0170.7	00.0	1335.1	0010	00.0	0121.7	00.0	0187.4	0010	00.0	MTS
50359	0179.9	00.0	1424.9	0000	00.0	0201.3	00.0	2019.4	0000	00.0	1639.5	01.0	0136.4	0060	01.0	MTS
50366	0355.7	00.0	0462.7	0025	00.1	0588.2	00.0	1089.1	0080	00.2	2267.6	02.8	0131.8	0125	02.8	MTS
50369	0101.8	00.0	0449.3	0050	00.0	0722.8	00.0	0754.9	0150	00.1	3309.1	04.9	0081.6	0220	04.8	MTS
50400	2064.8	00.4	1272.0	0120	00.6	1134.6	00.1	1580.2	0050	00.1	2389.2	02.5	0129.2	0085	02.5	MTS
50413	0231.9	00.0	0762.5	0000	00.0	0339.0	00.0	1301.2	0020	00.0	3265.7	03.5	0121.9	0160	03.4	MTS
50422	0520.9	00.0	1807.4	0050	00.0	0435.2	00.0	2397.4	0050	00.0	3369.1	05.3	0148.5	0150	05.0	MTS
50449	0560.6	00.1	0427.6	0030	00.1	0670.8	00.0	0711.9	0040	00.0	3798.9	06.1	0079.2	0190	06.0	MTS
50462	0202.7	00.0	0719.1	0020	00.0	0208.8	00.0	1645.4	0020	00.0	0306.7	00.1	0115.0	0030	00.1	MTS
50473	0244.1	00.0	1393.4	0040	00.0	0293.1	00.0	2213.5	0050	00.0	0195.2	00.0	0192.2	0040	00.0	MTS
50476	2334.2	01.2	1374.0	0130	01.4	0840.8	00.8	1306.0	0070	00.9	0611.3	00.3	0114.6	0060	00.4	MTS
50480	0190.5	00.0	1523.6	0030	00.0	0159.9	00.0	2103.5	0030	00.0	0095.7	00.0	0189.1	0010	00.0	MTS
50481	1832.3	00.4	1490.4	0120	00.4	0889.8	00.2	1849.5	0085	00.2	2208.7	02.0	0138.9	0140	02.0	MTS
50498	0075.8	00.0	0721.2	0030	00.0	0124.8	00.0	1145.9	0030	00.0	0155.4	00.0	0097.6	0030	00.0	MTS
50521	0643.2	00.0	1609.6	0060	00.0	0762.5	00.0	2278.1	0070	00.0	0435.2	00.0	0141.3	0060	00.0	MTS
50553	0172.1	00.0	1198.9	0030	00.0	0462.7	00.0	1132.1	0060	00.0	3390.2	03.1	0134.1	0200	02.7	MTS
50561	0225.8	00.0	2436.8	0020	00.0	0213.5	00.0	1606.9	0020	00.0	0162.9	00.0	0140.1	0015	00.0	MTS
54014	0244.5	00.0	1742.5	0020	00.0	0256.7	00.0	1907.6	0025	00.0	0112.7	00.0	0114.2	0010	00.0	DEQ
54014	0244.3	00.0	1702.9	0040	00.0	0271.3	00.0	1785.5	0050	00.0	0214.3	00.0	0084.4	0040	00.0	MTS
56003	0134.2	00.0	0501.9	0010	00.1	0226.1	00.0	0406.8	0020	00.1	2753.7	04.7	0071.7	0180	04.5	DEQ
56003	0247.1	00.0	0492.8	0040	00.0	0364.1	00.0	0732.7	0030	00.0	3808.8	06.1	0070.5	0240	06.0	MTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=18 MODEL YR(S)=1976

MAKE=DODGE PLY MODEL=DART ASPEN VALIANT VOLARE

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
60009	2505.6	00.5	0754.5	0180	00.6	2425.9	00.3	0764.5	0210	00.4	5181.6	01.6	0101.7	0390	01.6	DEQ
60009	3465.6	01.5	0631.5	0230	01.6	4115.4	00.9	0967.4	0310	00.9	7453.9	00.1	2100.6	0600	03.0	HTS
60144	2051.1	02.1	0389.3	0120	02.2	1735.5	01.4	0146.7	0100	01.5	1665.1	01.4	0099.2	0120	01.5	DEQ
60144	2011.7	01.8	0305.9	0130	02.0	1561.6	01.2	0121.1	0100	01.4	1255.5	01.0	0074.9	0110	01.2	HTS
60151	2608.8	02.3	0451.8	0155	02.2	2550.6	01.6	0794.5	0150	01.5	3992.1	06.1	0079.2	0225	06.0	DEQ
60151	2663.0	02.2	0663.4	0270	02.6	2449.5	01.6	0726.2	0300	02.0	4028.7	05.9	0084.0	0410	06.6	HTS
60166	0653.9	00.0	1079.7	0065	00.1	0779.6	00.0	0729.5	0090	00.1	6271.2	04.4	0066.7	0470	04.4	DEQ
60186	0586.2	00.0	0762.4	0230	00.1	1108.4	00.1	0467.9	0290	00.2	6247.7	04.3	0084.0	0720	04.6	HTS
60209	0359.8	00.0	0669.6	0050	00.1	0249.5	00.0	0634.5	0040	00.1	0301.6	00.0	0114.2	0045	00.1	DEQ
60209	0148.2	00.0	0412.9	0030	00.0	0238.3	00.0	0595.2	0040	00.0	0367.3	00.0	0087.1	0050	00.1	HTS
60231	0436.4	00.0	1825.0	0045	00.1	0608.0	00.0	1514.9	0075	00.1	2581.2	01.9	0139.2	0210	02.0	DEQ
60231	0292.1	00.0	1776.3	0060	00.0	0604.2	00.0	1356.3	0090	00.1	2949.2	02.2	0117.8	0260	02.5	HTS
60238	2667.0	03.5	1272.2	0130	02.5	1386.2	00.1	1737.5	0110	00.1	3892.1	04.6	0104.2	0280	04.5	DEQ
60238	2428.8	01.7	1611.5	0160	01.8	0670.4	00.0	1402.4	0080	00.0	3525.6	01.6	0167.3	0250	01.3	HTS
60239	0237.2	00.0	0309.3	0030	00.1	0292.4	00.0	0144.2	0040	00.1	1211.6	01.2	0089.2	0105	01.2	DEQ
60239	0244.3	00.0	0247.6	0040	00.0	0274.3	00.0	0126.0	0040	00.0	0919.4	00.6	0084.7	0090	00.5	HTS
60282	0975.7	00.0	0937.1	0070	00.1	1291.3	00.0	0809.5	0100	00.1	4781.7	03.1	0071.7	0270	02.1	DEQ
60282	0775.3	00.0	0845.6	0110	00.1	1219.5	00.0	0523.3	0160	00.1	5098.2	03.3	0081.6	0490	03.5	HTS
60302	2501.6	03.1	0391.8	0155	02.8	2415.8	01.1	1377.3	0150	00.8	4152.0	05.2	0101.7	0245	04.6	DEQ
60302	1504.6	00.5	0647.4	0140	00.6	1675.6	00.5	1148.8	0170	00.6	2729.3	01.6	0208.2	0250	02.0	HTS
60325	0592.7	00.0	0699.5	0070	00.1	0917.5	00.0	0199.2	0100	00.1	0926.6	00.2	0076.7	0120	00.6	DEQ
60325	1007.2	00.2	0518.5	0120	00.3	1450.8	00.6	0140.1	0160	01.0	1869.9	01.3	0107.9	0160	02.0	HTS
60327	0142.2	00.0	0261.8	0025	00.1	0246.4	00.0	0141.7	0040	00.1	1518.0	01.9	0059.2	0110	01.9	DEQ
60327	0440.0	00.1	0337.8	0070	00.1	0375.7	00.0	0155.8	0080	00.0	1887.4	02.0	0100.0	0170	02.1	HTS
60342	2124.7	01.4	0509.4	0135	01.5	2431.1	00.7	1534.9	0180	00.7	3272.3	01.3	0111.7	0250	01.4	DEQ
60342	1949.4	01.0	0547.2	0150	01.1	1995.3	00.2	1347.0	0200	00.3	4338.6	01.6	0086.4	0300	01.7	HTS
60365	1232.5	00.1	0602.3	0130	00.2	1437.5	00.1	1005.1	0170	00.1	3905.4	01.8	0119.4	0350	01.9	HTS
60380	0135.4	00.0	1626.3	0020	00.0	0205.8	00.0	0996.0	0040	00.0	0193.5	00.0	0093.6	0020	00.0	HTS
60381	1700.7	00.3	1121.6	0085	00.3	1700.7	00.1	0912.9	0110	00.1	4125.4	05.2	0121.9	0375	04.6	HTS
60419	0367.9	00.0	2051.3	0000	00.1	0312.8	00.0	0380.0	0000	00.1	0346.5	00.0	0127.0	0000	00.1	HTS
60434	0698.3	00.0	2397.4	0060	00.0	1824.0	00.5	1767.2	0120	00.5	2463.3	04.1	0143.7	0140	04.2	HTS
60475	0854.3	00.0	1144.0	0040	00.1	1505.9	00.0	0626.0	0120	00.1	4698.4	03.5	0098.3	0270	03.4	HTS
60481	1961.7	02.2	0210.5	0100	02.3	2328.7	02.8	0107.9	0140	02.8	0615.7	00.0	0146.1	0060	00.0	HTS
60498	0392.4	00.0	1108.2	0050	00.1	0383.2	00.0	0220.1	0050	00.1	1108.2	01.5	0127.0	0090	01.4	HTS
60507	0435.2	00.0	0635.5	0020	00.0	1037.6	00.0	0774.0	0080	00.0	4678.4	03.6	0105.5	0340	03.6	HTS
60518	4145.3	06.8	0158.3	0350	07.0	1136.6	00.0	0408.2	0150	00.0	1226.6	00.0	0087.9	0100	00.0	HTS
60529	3269.1	02.3	0516.1	0200	02.4	3738.9	01.9	0671.3	0250	02.0	5198.2	05.2	0172.3	0340	05.0	HTS
60558	0395.4	00.0	0492.3	0020	00.0	1937.2	00.0	0757.3	0160	00.0	8196.8	07.6	0074.5	0440	07.5	HTS
60562	3069.2	03.3	0446.9	0190	03.4	0950.2	00.1	0196.2	0070	00.1	2779.3	02.5	0115.0	0160	02.5	HTS
60572	0309.8	00.0	0537.6	0020	00.0	0242.5	00.0	0148.5	0020	00.0	0150.7	00.0	0134.1	0020	00.0	HTS
60605	3390.2	02.3	0571.0	0200	02.8	2970.1	00.6	0688.0	0200	00.7	4980.7	03.0	0115.0	0350	03.2	HTS
60610	3316.8	00.8	2264.5	0190	01.4	4407.2	01.8	1281.7	0240	01.4	5587.6	06.6	0107.3	0260	07.0	HTS
60627	1716.0	01.4	1065.8	0080	01.5	2422.9	01.1	0701.8	0150	01.0	3857.0	04.0	0104.9	0200	03.1	HTS
60629	4450.5	06.8	0170.0	0260	06.5	1109.5	00.0	0671.3	0100	00.0	2940.0	00.5	0174.7	0200	00.6	HTS
60635	2738.0	02.3	1073.1	0130	02.4	0586.9	00.1	0575.6	0050	00.1	4427.2	04.8	0114.6	0260	04.9	HTS
60637	0744.2	00.0	0900.5	0060	00.0	0998.1	00.0	0583.0	0080	00.0	0719.7	00.0	0425.4	0060	00.1	HTS
60722	0701.3	00.0	0623.6	0060	00.0	0823.7	00.0	0630.7	0070	00.0	4230.5	02.5	0068.8	0260	02.7	HTS
64006	0452.8	00.0	0907.1	0080	00.1	0333.3	00.0	2177.7	0040	00.1	0219.9	00.0	0239.2	0040	00.1	DEQ
64006	0343.1	00.0	0952.6	0025	00.0	0268.1	00.0	1699.7	0025	00.0	0164.1	00.0	0183.0	0015	00.0	HTS
66034	1404.6	00.2	0709.5	0050	00.3	1303.5	00.1	0704.5	0110	00.1	4721.8	05.2	0066.7	0300	05.1	DEQ
66034	1342.5	00.3	0687.5	0080	00.3	1681.6	00.2	0441.6	0100	00.4	5194.9	04.7	0059.4	0325	04.6	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=19 MODEL YR(S)=1977

MAKE=CHRYS DODGE PLY MODEL=CORDOBA CORONET ASPEN VOLARE FURY

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70044	1291.3	00.6	0919.6	0080	00.5	2835.5	03.2	1084.7	0200	02.9	3772.1	06.2	0079.2	0250	05.9	DEQ
70044	0085.2	00.0	0246.9	0030	00.0	1051.5	01.3	0356.4	0080	01.2	3085.8	04.4	0083.8	0190	04.6	HTS
70050	0335.3	00.0	2502.8	0040	00.1	0418.0	00.1	1392.3	0050	00.2	0295.4	00.1	0169.2	0040	00.1	DEQ
70050	0169.2	00.0	2430.3	0000	00.0	0166.2	00.0	2118.8	0000	00.0	0130.2	00.0	0178.7	0000	00.0	HTS
70051	1735.5	00.7	0546.9	0120	00.8	1570.1	00.4	0586.9	0140	00.4	2510.8	01.0	0106.7	0220	01.1	DEQ
70051	1354.5	01.4	0190.9	0070	01.6	0570.4	00.4	0339.4	0090	00.5	3195.8	01.9	0088.6	0240	02.1	HTS
70107	1597.7	01.1	0554.4	0065	01.2	0847.0	00.5	0281.8	0025	00.1	0721.4	00.6	0099.2	0050	00.5	DEQ
70107	1864.7	00.7	0738.3	0230	01.0	1531.6	00.7	0687.6	0310	00.9	1069.4	00.9	0117.8	0270	01.2	HTS
70130	2798.8	03.4	0379.3	0180	03.8	3472.3	03.1	0644.4	0290	03.2	3442.3	03.1	0086.7	0270	03.2	DEQ
70130	2224.7	03.2	0139.8	0110	03.2	2524.8	02.4	0302.9	0145	02.5	3865.5	03.7	0069.2	0333	03.6	HTS
70149	3472.3	06.3	0159.2	0240	06.4	3772.1	05.5	0204.2	0280	05.4	4601.8	04.0	0041.7	0260	03.4	DEQ
70149	3109.2	04.8	0277.1	0400	05.1	3299.1	04.3	0236.1	0450	04.3	3079.2	01.5	0084.0	0475	02.0	HTS
70153	3392.3	04.6	0304.3	0235	04.6	3672.2	03.1	0832.0	0290	03.1	2662.6	00.8	0169.2	0200	00.8	DEQ
70153	3625.6	03.5	0429.9	0280	03.4	1156.6	00.4	0699.8	0125	00.5	1256.6	00.4	0123.6	0160	00.5	HTS
70165	2342.2	03.3	0376.8	0165	03.2	1579.3	00.9	1069.6	0155	00.8	0377.1	00.0	0176.7	0045	00.1	DEQ
70165	2173.7	03.0	0267.0	0140	03.0	0778.4	00.6	0315.6	0060	01.0	0172.3	00.0	0155.2	0030	00.0	HTS
70180	3102.4	02.3	0827.0	0180	02.3	4811.7	05.3	0124.2	0340	05.1	9989.7	08.6	0014.1	0580	08.5	DEQ
70180	3445.6	02.8	0578.2	0180	02.2	4775.1	04.5	0145.4	0270	03.1	9992.6	08.4	0023.9	0640	06.3	HTS
70182	2869.2	03.6	0391.8	0190	03.5	3862.1	04.3	0389.3	0300	04.2	4841.7	05.9	0044.2	0320	05.7	DEQ
70182	3575.6	03.8	0303.5	0260	03.6	4055.4	03.1	0546.6	0310	03.0	5814.6	06.5	0074.9	0360	06.2	HTS
70184	0451.7	00.0	1877.5	0060	00.1	0798.0	00.3	0519.4	0130	00.7	2262.6	02.4	0129.2	0180	02.5	DEQ
70184	1039.4	00.9	0890.3	0090	01.0	0694.3	00.1	0325.4	0080	00.2	2374.9	02.2	0113.0	0220	02.4	HTS
70195	1248.4	00.2	1139.7	0090	00.3	1269.8	00.6	0762.0	0140	00.5	2593.5	02.4	0101.7	0240	02.6	DEQ
70195	0649.4	00.0	0692.5	0070	00.1	0628.4	00.1	0505.3	0060	00.1	2167.7	01.0	0308.3	0210	01.0	HTS
70243	0267.9	00.0	2370.3	0035	00.1	2121.6	01.3	1184.7	0150	01.0	2621.1	03.1	0099.2	0200	03.2	DEQ
70243	0214.1	00.0	2118.1	0070	00.0	2140.8	01.4	0941.1	0260	01.6	2786.1	03.5	0107.9	0260	03.8	HTS
70302	1089.0	00.8	0927.1	0090	00.8	0188.2	00.0	1404.8	0030	00.1	0114.7	00.0	0214.2	0025	00.1	DEQ
70302	0883.7	00.7	0767.3	0080	00.7	0143.2	00.0	1179.8	0045	00.0	0063.6	00.0	0160.7	0040	00.0	HTS
70305	0209.7	00.0	2035.1	0040	00.1	0387.4	00.0	1832.5	0005	00.1	0264.8	00.0	0194.2	0050	00.1	DEQ
70305	0179.9	00.0	2315.4	0050	00.0	0271.7	00.0	1022.1	0060	00.0	0166.0	00.0	0568.3	0060	00.0	HTS
70319	1554.8	00.8	0431.8	0125	00.8	1879.6	01.7	0456.9	0185	01.9	1956.2	01.5	0064.2	0160	02.0	DEQ
70319	0679.9	00.2	0451.7	0120	00.2	1720.0	01.1	1124.9	0200	00.4	0563.7	00.0	0172.3	0050	00.0	HTS
70356	2393.0	02.5	0368.1	0120	02.4	2714.2	01.9	0914.8	0180	01.8	1876.0	01.1	0153.2	0120	00.8	HTS
70367	0603.5	00.5	0244.0	0040	00.5	1380.4	02.1	0294.1	0085	02.1	0438.3	00.0	0150.9	0040	00.0	HTS
70399	0371.0	00.0	0757.3	0010	00.0	0279.2	00.0	0566.3	0000	00.0	1135.7	01.8	0057.7	0050	01.7	HTS
70414	1720.0	01.4	0582.4	0090	01.2	0441.3	00.2	0353.8	0030	00.2	0352.6	00.0	0112.7	0020	00.0	HTS
70464	0143.2	00.0	0430.0	0030	00.0	2358.6	01.8	0585.3	0140	01.8	3435.6	03.4	0117.0	0200	03.6	HTS
70467	0080.4	00.0	0446.9	0000	00.0	0380.1	00.5	0356.2	0020	00.6	0147.7	00.1	0165.2	0010	00.1	HTS
70471	3345.7	04.3	0405.8	0180	04.4	2356.1	00.9	1238.1	0070	00.5	0237.0	00.0	0223.8	0000	00.0	HTS
70481	0219.7	00.0	1264.8	0025	00.0	0384.9	00.0	1296.3	0030	00.0	3335.7	03.4	0117.0	0200	03.6	HTS
70499	2184.2	01.5	0743.1	0110	01.6	0984.7	00.8	0345.1	0070	00.8	0309.6	00.0	0160.7	0040	00.0	HTS
70514	0909.4	00.4	0941.1	0080	00.4	1059.2	00.6	0802.6	0020	00.0	0364.9	00.1	0129.4	0040	00.0	HTS
70524	1761.9	00.9	1184.7	0110	00.8	3236.8	04.7	0345.1	0200	03.8	5337.5	07.1	0058.8	0280	07.0	HTS
70535	0337.3	00.0	0754.9	0020	00.0	0282.3	00.0	1378.0	0020	00.0	0205.8	00.0	0124.6	0000	00.0	HTS
70567	2793.1	01.2	1601.0	0150	01.3	0886.7	00.1	0755.2	0060	00.1	3416.9	02.2	0087.9	0230	02.2	HTS
70613	0181.3	00.0	2115.7	0020	00.0	2597.9	01.4	0955.4	0180	01.3	3670.3	03.1	0076.8	0220	03.0	HTS
70621	4147.1	04.2	0593.6	0290	04.4	0555.9	00.0	0764.9	0060	00.0	0285.8	00.0	0228.6	0040	00.0	HTS
70661	0189.1	00.3	1162.8	0000	00.0	0198.2	00.0	1740.4	0020	00.0	0947.9	00.1	0063.6	0100	00.1	HTS
74020	1616.1	00.6	0894.6	0100	00.7	0390.4	00.0	0757.0	0040	00.1	1723.3	02.2	0084.2	0110	02.2	DEQ
74020	1747.6	00.7	2165.0	0125	00.6	0247.3	00.0	2337.8	0050	00.1	3045.8	03.7	0193.3	0230	03.7	HTS
74025	0237.2	00.0	2502.8	0030	00.1	0218.8	00.0	1619.9	0030	00.1	0200.5	00.1	0101.7	0030	00.2	DEQ
74025	2236.9	00.8	2283.5	0120	01.1	0901.3	00.4	0542.6	0200	00.8	0718.3	00.8	0061.6	0160	01.5	HTS
74028	0172.9	00.0	1940.1	0030	00.1	0166.8	00.0	2502.8	0040	00.1	0093.2	00.0	0251.8	0025	00.1	DEQ
74028	0091.0	00.0	1837.7	0150	00.1	0154.1	00.0	2328.6	0180	00.1	0163.1	00.0	0184.4	0170	00.1	HTS
74031	0225.8	00.0	0762.5	0010	00.0	0189.1	00.0	1822.9	0010	00.0	0115.6	00.0	0189.8	0010	00.0	HTS
76016	2302.4	00.8	1124.7	0170	00.9	0555.9	00.0	2112.7	0070	00.1	3922.1	03.9	0079.2	0330	03.2	DEQ
76016	2317.9	00.8	0738.0	0290	01.2	0829.3	00.2	0868.2	0250	00.2	3988.8	02.9	0099.2	0600	03.1	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=20 MODEL YR(S)=1975,1976

MAKE=CHRYS DODGE PLY MODEL=CORDOBA CORONET FURY

EPA NO	---HI (LAB)--- HC	CO	NOX	HI (GAR) HC	CO	---LO (LAB)--- HC	CO	NOX	LO (GAR) HC	CO	--IDLE (LAB)-- HC	CO	NOX	IDLE(GAR) HC	CO	LAB
50121	0111.6	00.0	1522.4	0030	00.0	0081.0	00.0	0549.4	0020	00.0	0090.2	00.0	0139.2	0025	00.0	DEQ
50121	0208.3	00.0	1383.6	0030	00.1	0097.2	00.0	0417.3	0025	00.1	0085.2	00.0	0103.3	0025	00.1	HTS
50128	0093.2	00.0	1547.4	0025	00.1	0136.1	00.0	1689.9	0035	00.1	2008.2	03.8	0089.2	0120	03.4	DEQ
50128	0124.1	00.0	1133.8	0160	00.1	0091.0	00.0	1444.4	0220	00.1	1864.7	02.1	0081.7	0300	02.6	HTS
50132	1873.4	00.4	2042.6	0240	00.4	2167.6	00.2	0914.6	0310	00.4	5711.4	07.7	0051.7	0560	06.8	DEQ
50132	0979.4	01.0	0570.9	0020	00.4	0955.4	00.6	0160.0	0050	00.2	9992.8	03.9	0055.5	0250	01.0	HTS
50189	0136.1	00.0	2197.7	0040	00.1	2186.0	02.0	0902.1	0195	01.9	2970.4	05.8	0059.2	0200	05.7	DEQ
50189	0151.1	00.0	1098.0	0030	00.1	1831.7	00.9	0984.5	0140	01.2	2819.1	04.6	0084.0	0210	04.5	HTS
50192	0313.8	00.0	2502.8	0050	00.1	2219.7	01.0	1569.9	0180	01.1	4791.7	07.1	0051.7	0260	07.1	DEQ
50192	0382.3	00.0	2555.4	0050	00.0	0550.3	00.1	1640.6	0055	00.0	1840.6	01.4	0133.3	0125	01.5	HTS
50251	0326.1	00.1	2502.8	0050	00.1	1720.2	02.3	0702.0	0140	01.9	5031.6	07.3	0046.7	0250	07.2	DEQ
50251	0334.3	00.0	2303.3	0050	00.0	1378.5	01.7	0447.0	0110	02.0	4305.3	06.0	0053.9	0240	05.2	HTS
50252	1793.8	01.6	0641.9	0110	01.7	2326.9	03.5	0206.7	0140	03.1	2912.1	04.2	0056.7	0190	03.5	DEQ
50252	1609.6	01.0	0616.4	0090	01.3	2242.9	02.5	0301.3	0150	02.2	2696.0	03.2	0079.2	0220	03.2	HTS
50274	0304.6	00.0	1787.5	0040	00.1	0261.7	00.0	0474.4	0035	00.1	0261.7	00.0	0074.2	0030	00.1	DEQ
50274	0150.7	00.0	0857.5	0040	00.0	0144.6	00.0	0315.6	0050	00.0	0159.9	00.0	0062.5	0050	00.0	HTS
50277	0194.3	00.0	2072.6	0030	00.1	0206.6	00.0	1247.2	0040	00.1	1542.5	01.7	0104.2	0120	01.9	DEQ
50277	0299.2	00.1	2038.8	0060	00.1	0158.2	00.0	1162.8	0060	00.0	1798.6	00.8	0102.5	0150	01.5	HTS
50376	0247.2	00.0	2436.8	0020	00.0	1091.8	00.1	1019.7	0070	00.1	4605.1	05.8	0102.5	0200	05.4	HTS
50387	0631.0	00.9	0501.8	0050	01.0	0811.5	00.3	0518.5	0100	00.1	3149.2	05.6	0064.9	0200	06.2	HTS
50394	1354.9	00.1	1145.9	0050	01.0	0381.8	00.0	1223.5	0010	00.0	2080.1	03.3	0112.2	0080	03.0	HTS
50401	1293.7	00.4	2436.8	0030	00.1	1434.5	00.2	1211.4	0040	00.4	1651.7	00.3	0087.9	0050	00.2	HTS
50425	0599.1	00.5	0752.8	0040	00.6	1440.6	00.4	0541.7	0060	00.4	5604.7	08.5	0053.9	0280	08.4	HTS
50444	0215.0	00.0	2039.3	0020	00.0	0166.0	00.0	1418.6	0020	00.0	0487.2	00.2	0081.6	0060	00.2	HTS
50453	0517.8	00.0	1769.5	0000	00.0	2114.6	00.4	0864.7	0130	00.4	3519.0	04.2	0072.1	0200	04.0	HTS
50463	0268.6	00.1	0519.8	0020	00.2	0152.3	00.0	0459.2	0020	00.1	1982.2	01.8	0083.0	0120	01.8	HTS
50493	0195.2	00.0	2436.8	0040	00.0	0589.9	00.1	1060.9	0060	00.1	4757.3	04.6	0097.6	0270	04.5	HTS
56002	0174.0	00.1	1985.1	0020	00.1	0155.6	00.0	1537.4	0020	00.1	2744.6	04.8	0066.7	0160	03.8	DEQ
56002	0133.2	00.0	1565.3	0020	00.0	0100.2	00.0	0552.2	0020	00.0	2775.9	03.1	0066.9	0170	03.0	HTS
56021	0399.6	00.0	2502.8	0040	00.0	1174.8	00.4	1149.7	0125	00.5	3482.3	06.9	0066.7	0210	06.5	DEQ
56021	0142.2	00.0	2430.3	0030	00.0	1804.6	01.0	1120.7	0140	01.0	3255.7	06.4	0064.3	0200	06.4	HTS
60133	0295.4	00.2	2140.2	0050	00.2	2072.6	01.5	1399.8	0160	01.3	2320.8	03.2	0079.2	0150	04.7	DEQ
60133	0079.2	00.0	1176.3	0020	00.0	0055.2	00.0	0449.3	0020	00.0	0067.2	00.0	0099.3	0020	00.0	HTS
60246	1358.5	01.0	1677.4	0105	01.1	1937.6	01.5	1357.3	0150	01.6	0663.1	00.0	0084.2	0080	00.1	DEQ
60246	1675.6	01.5	1206.6	0140	01.7	2095.8	01.4	1085.9	0180	01.5	1453.6	00.0	0064.7	0170	00.0	HTS
60344	3232.4	07.4	0241.7	0240	07.4	1263.1	00.1	1114.7	0095	00.1	1962.9	02.9	0046.7	0140	02.8	DEQ
60344	3808.8	07.7	0255.9	0290	08.8	2299.5	00.9	0898.1	0150	01.0	2559.4	01.1	0081.6	0230	01.2	HTS
60354	2224.0	03.1	0422.8	0130	03.0	0972.4	00.6	0524.7	0110	00.8	0167.6	00.0	0102.5	0050	00.0	HTS
60359	0349.6	00.1	1397.1	0060	00.0	1799.5	00.9	1117.8	0180	01.0	3988.8	06.6	0067.3	0280	06.0	HTS
60376	0337.3	00.1	1251.5	0050	00.1	0511.7	00.1	0506.6	0060	00.1	5767.9	07.4	0062.5	0300	07.6	HTS
60398	0155.4	00.0	0726.1	0010	00.0	0112.6	00.0	0337.8	0010	00.0	0124.8	00.0	0097.6	0020	00.0	HTS
60575	0141.5	00.0	1576.2	0020	00.0	0129.3	00.0	1545.1	0020	00.0	0111.0	00.0	0136.5	0020	00.0	HTS
60639	0221.1	00.0	1597.6	0020	00.0	0153.8	00.0	0988.8	0020	00.0	0120.1	00.0	0066.4	0010	00.0	HTS
60717	1284.5	01.8	0626.6	0060	01.8	1957.7	01.6	0434.9	0100	01.6	2640.1	03.2	0083.0	0160	03.0	HTS
66004	0131.1	00.0	1952.6	0015	00.0	0179.1	00.0	1464.8	0030	00.1	2162.8	04.2	0076.7	0140	04.5	DEQ
66004	0238.9	00.0	1927.2	0040	00.1	0151.6	00.0	1442.4	0050	00.1	1962.5	03.9	0093.0	0130	04.5	HTS
66018	0572.3	00.3	2502.8	0055	00.4	0553.9	00.1	1090.0	0090	00.1	2174.7	03.1	0084.2	0140	03.2	DEQ
66018	0310.3	00.1	2430.3	0060	00.2	0319.3	00.0	1685.5	0060	00.2	1480.6	01.1	0078.9	0110	01.5	HTS
66021	0342.5	00.0	2210.2	0050	00.0	1702.8	00.2	1009.9	0130	00.2	4142.0	05.5	0071.7	0250	04.8	DEQ
66021	0361.1	00.0	1673.0	0200	00.1	2467.9	00.9	1226.5	0360	01.0	4918.3	00.2	0048.7	0500	00.0	HTS
66042	0403.3	00.1	1094.9	0000	00.2	0308.4	00.0	1179.8	0010	00.1	1700.7	00.4	0148.6	0070	00.6	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=22   MODEL YR(S)=1975

MAKE=FORD MERC   MODEL=PINTO MUSTANG II BOBCAT

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50082	0335.3	00.1	0499.4	0030	00.2	0655.5	00.1	0712.0	0050	00.2	0770.4	01.1	0106.7	0050	01.1	DEQ
50082	0340.1	00.1	0446.1	0150	00.2	0868.3	00.3	0641.7	0180	00.5	0943.4	01.4	0105.7	0190	01.8	HTS
50112	1410.8	00.1	1519.9	0090	00.2	2535.3	01.0	1664.9	0190	01.2	2267.1	03.5	0099.2	0200	03.5	DEQ
50112	1489.6	00.1	1607.2	0170	00.2	2729.0	01.4	1512.0	0280	01.5	2939.1	04.0	0109.2	0320	04.4	HTS
50159	0365.9	00.0	2502.8	0055	00.1	0433.3	00.0	2502.8	0065	00.1	0476.2	00.0	0149.2	0065	00.1	DEQ
50159	0397.3	00.0	2438.1	0050	00.0	0418.3	00.0	2158.5	0065	00.0	0439.3	00.0	0140.6	0060	00.0	HTS
50167	0436.4	00.1	0366.8	0035	00.2	1107.4	00.1	0201.7	0070	00.2	1619.1	01.0	0069.2	0100	01.1	DEQ
50167	0373.3	00.1	0359.4	0030	00.1	0676.4	00.1	0172.2	0060	00.2	1750.6	01.2	0053.1	0120	01.3	HTS
50173	0748.9	00.1	0967.1	0070	00.2	1634.4	00.1	0384.3	0123	00.2	1484.3	01.3	0086.7	0140	01.4	DEQ
50173	0817.4	00.1	0640.8	0050	00.2	1876.6	00.2	0262.1	0110	00.2	1735.6	01.5	0084.7	0145	01.5	HTS
50204	0801.0	00.1	1164.7	0065	00.1	1318.8	00.2	1509.9	0105	00.3	2421.9	02.6	0069.2	0190	02.7	DEQ
50204	7677.1	00.2	1897.0	0820	00.3	3648.9	00.5	1037.6	0320	00.6	3938.8	02.5	0079.2	0370	02.8	HTS
50208	0068.7	00.0	0702.0	0030	00.1	0246.4	00.0	0201.7	0050	00.1	1398.5	01.3	0031.6	0120	01.6	DEQ
50208	0124.2	00.0	0519.9	0030	00.1	0337.3	00.0	0152.7	0045	00.1	1177.5	00.9	0043.3	0095	01.1	HTS
50231	0442.5	00.0	1692.4	0035	00.1	0424.1	00.0	0827.0	0045	00.1	0234.2	00.0	0089.2	0030	00.1	DEQ
50231	0364.3	00.0	1228.4	0050	00.0	0340.3	00.0	0515.0	0050	00.0	0166.2	00.0	0087.9	0040	00.0	HTS
50248	0237.2	00.2	0601.9	0040	00.2	0813.3	01.1	0191.7	0080	01.2	0733.6	01.2	0059.2	0070	01.4	DEQ
50248	0283.1	00.1	0499.4	0050	00.1	0568.2	00.1	0439.7	0080	00.2	0865.3	01.1	0062.5	0100	01.3	HTS
50292	9989.7	00.1	1664.9	1620	00.1	9989.7	00.0	0759.5	1440	00.1	8400.3	00.1	0064.2	0950	00.1	DEQ
50292	9866.0	00.1	1557.1	1400	00.2	9736.1	00.1	0707.1	1300	00.1	8506.7	00.1	0084.0	1100	00.1	HTS
50293	0546.7	00.1	0747.0	0055	00.1	0825.5	00.6	0702.0	0075	00.7	0543.6	00.2	0136.7	0055	00.2	DEQ
50293	0554.5	00.1	0568.7	0030	00.2	0793.1	00.9	0518.5	0040	00.9	0618.7	01.0	0095.9	0030	01.3	HTS
50299	0371.0	00.1	0351.4	0060	00.1	0964.4	00.3	0528.1	0100	00.4	1527.3	02.9	0069.7	0140	02.8	HTS
50335	0294.5	00.1	0614.6	0010	00.1	0358.7	00.1	0599.7	0020	00.2	0484.2	01.5	0098.3	0040	00.7	HTS
50368	0352.6	00.1	0587.8	0010	00.1	1007.2	00.3	0184.3	0050	00.3	1154.1	02.0	0064.9	0060	02.1	HTS
50378	0054.4	00.0	0352.4	0000	00.0	0164.6	00.0	0112.2	0000	00.0	0213.5	00.0	0068.5	0000	00.0	HTS
50379	0854.3	00.1	1268.2	0060	00.1	1304.0	00.1	1017.5	0360	00.2	9996.0	01.9	0196.2	1400	02.0	HTS
50407	0346.5	00.0	0645.1	0020	00.0	0542.3	00.1	0482.7	0050	00.0	0276.1	00.0	0084.0	0020	00.0	HTS
50417	0242.5	00.0	1325.5	0000	00.0	0517.8	00.0	0267.8	0040	00.0	0374.0	00.0	0064.9	0020	00.0	HTS
50474	0360.4	00.1	0585.3	0000	00.2	0776.6	00.5	0642.5	0020	00.2	0963.2	01.9	0090.3	0020	01.2	HTS
50500	0657.2	00.1	0585.3	0040	00.1	1746.6	00.6	0740.6	0100	00.6	2095.4	02.7	0168.0	0120	02.5	HTS
50501	0271.7	00.1	0464.0	0030	00.1	1746.6	00.9	0245.6	0100	00.8	1667.0	02.4	0066.1	0100	02.4	HTS
50503	0312.8	00.1	0394.4	0030	00.1	0582.8	00.1	0172.3	0090	00.1	1784.2	01.1	0055.4	0120	01.4	HTS
50504	0801.1	00.1	0886.2	0060	00.1	0727.6	00.1	0160.7	0050	00.1	1559.9	01.4	0078.2	0110	01.4	HTS
50508	0409.4	00.1	0597.5	0030	00.1	0874.5	00.4	0269.9	0070	00.4	0804.1	01.6	0053.8	0060	01.6	HTS
50509	0251.7	00.0	0917.2	0020	00.0	0291.4	00.0	0673.7	0030	00.0	0135.4	00.0	0112.7	0010	00.0	HTS
50512	0430.8	00.1	1313.3	0040	00.1	1018.3	00.7	0483.4	0050	00.7	1015.3	00.9	0100.0	0060	01.0	HTS
50514	7891.6	00.3	1292.1	0800	00.6	5791.0	00.2	0470.8	0500	00.2	0619.3	00.0	0098.3	0040	00.0	HTS
50516	0531.8	00.6	0548.9	0020	00.6	1324.3	01.4	0616.9	0060	01.4	1370.2	01.9	0085.5	0060	01.8	HTS
50541	0793.1	00.1	2340.1	0050	00.2	1671.0	01.2	1029.4	0130	01.2	1900.5	02.4	0069.7	0120	02.2	HTS
50552	0352.6	00.1	0525.7	0040	00.1	1037.8	00.3	0162.8	0070	00.3	1533.4	03.0	0060.1	0100	02.7	HTS
50560	0924.6	00.1	1960.5	0060	00.2	0860.4	00.2	0554.3	0050	00.2	0517.8	00.0	0062.5	0040	00.0	HTS
56004	0311.9	00.1	1144.7	0030	00.1	0532.5	00.1	0054.7	0040	00.1	1001.2	01.8	0041.7	0060	01.7	DEQ
56004	0382.2	00.0	1167.5	0050	00.1	0508.2	00.0	0495.3	0060	00.1	2657.0	02.7	0050.5	0120	02.4	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=23 MODEL YR(S)=1975

MAKE=FORD MERC MODEL=PINTC MUSTANG II BOBCAT

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50007	0235.3	00.1	0639.4	0025	00.1	0324.1	00.4	0201.7	0030	00.4	0526.3	00.9	0046.7	0040	00.9	DEQ
50007	0313.3	00.2	0602.3	0040	00.2	0445.3	00.5	0142.2	0050	00.6	0613.4	00.9	0037.5	0060	01.0	HTS
50016	0555.9	00.1	1284.8	0045	00.2	0932.8	00.5	0506.9	0070	00.6	0411.9	00.4	0081.7	0040	00.4	DEQ
50016	0448.2	00.2	1549.6	0150	00.4	0970.4	00.8	0575.2	0200	01.2	0403.2	00.6	0084.2	0260	00.9	HTS
50043	0555.9	00.0	1072.1	0040	00.1	0519.1	00.0	0704.5	0050	00.1	0451.7	00.0	0069.2	0045	00.1	DEQ
50043	0271.3	00.0	1196.2	0010	00.0	0442.3	00.1	0512.2	0020	00.0	0202.3	00.0	0042.4	0000	00.0	HTS
50052	0430.3	00.1	1489.9	0040	00.2	0503.8	00.4	0707.0	0050	00.5	0221.9	00.5	0066.7	0030	00.6	DEQ
50052	0373.3	00.1	0901.7	0050	00.2	0415.3	00.4	0473.3	0050	00.5	0211.3	00.6	0047.3	0040	00.7	HTS
50054	0399.6	00.0	0669.5	0050	00.0	0390.4	00.0	1539.9	0070	00.0	0280.1	00.0	0081.7	0050	00.0	DEQ
50054	0370.1	00.0	0860.7	0175	00.1	0253.1	00.0	0585.2	0225	00.1	0202.1	00.0	0071.7	0250	00.1	HTS
50071	0467.0	00.1	0804.5	0030	00.2	0748.5	00.2	0416.8	0050	00.3	1904.1	02.3	0054.2	0105	02.3	DEQ
50071	0439.3	00.1	0826.2	0040	00.1	0841.4	00.1	0424.6	0060	00.2	1801.6	02.1	0066.7	0120	02.1	HTS
50075	0365.9	00.5	0129.2	0050	00.5	0329.2	00.3	0074.2	0060	00.4	0375.1	00.5	0049.2	0070	00.6	DEQ
50075	0109.2	00.4	0215.2	0020	00.5	0133.2	01.2	0069.2	0020	01.2	0298.3	00.7	0042.4	0030	00.7	HTS
50077	1070.7	00.1	0734.5	0070	00.2	0791.8	00.6	0351.8	0060	00.7	0745.9	01.3	0049.2	0070	01.3	DEQ
50077	0292.1	00.1	0567.6	0160	00.1	0637.2	01.0	0229.5	0230	01.4	0673.3	01.3	0046.6	0220	01.6	HTS
50090	0436.4	00.1	1192.2	0040	00.2	1116.6	00.4	0584.4	0065	00.5	1677.3	00.1	0056.7	0130	00.2	DEQ
50090	0895.4	00.1	1584.7	0050	00.2	1384.5	00.6	0624.4	0070	00.7	1822.6	00.1	0106.6	0100	00.1	HTS
50095	0393.5	00.0	0742.0	0035	00.1	0356.7	00.0	0636.9	0040	00.1	0160.6	00.0	0071.7	0020	00.1	DEQ
50095	0397.2	00.0	0595.8	0180	00.1	0400.2	00.0	1008.6	0230	00.1	0184.1	00.0	0069.5	0210	00.1	HTS
50130	0427.2	00.1	0584.4	0040	00.2	0926.6	00.6	0299.3	0075	00.7	1321.9	01.3	0049.2	0120	01.3	DEQ
50130	0487.2	00.1	0846.9	0170	00.1	1600.6	01.2	0294.0	0280	01.7	1285.5	01.1	0052.6	0300	01.5	HTS
50145	0733.6	00.1	0722.0	0065	00.2	0880.7	00.5	0499.4	0070	00.5	1343.4	01.3	0066.7	0095	01.3	DEQ
50145	0868.4	00.1	0748.4	0048	00.1	1444.5	01.0	0322.9	0090	01.0	1486.6	01.0	0057.9	0093	01.0	HTS
50161	0555.9	00.1	0674.6	0035	00.1	0752.0	00.5	0619.4	0050	00.2	0862.3	00.2	0084.2	0105	00.1	DEQ
50161	0514.3	00.1	0670.6	0050	00.1	1255.5	01.0	0449.3	0080	01.0	0757.4	00.2	0082.2	0050	00.4	HTS
50169	0549.8	00.1	0606.9	0050	00.1	0626.4	00.2	0214.2	0060	00.2	2782.5	00.6	0059.2	0335	00.6	DEQ
50169	0259.1	00.1	0554.6	0075	00.1	0484.2	00.2	0204.7	0075	00.3	1411.5	00.9	0064.7	0125	01.0	HTS
50175	0562.0	00.2	0947.1	0070	00.3	0883.7	01.1	0519.4	0090	01.2	0577.3	01.1	0054.2	0070	01.2	DEQ
50175	0970.4	00.1	0645.6	0060	00.1	1081.5	00.9	0403.2	0080	00.3	0637.4	01.0	0062.8	0050	00.3	HTS
50176	0715.2	00.1	1229.7	0050	00.2	0699.5	00.3	0436.8	0055	00.4	1217.7	01.7	0054.2	0070	01.8	DEQ
50176	0448.3	00.2	1154.4	0050	00.2	1024.4	01.7	0160.0	0060	01.8	8103.7	05.4	0050.6	0300	05.0	HTS
50233	0323.0	00.0	0506.9	0040	00.1	0350.6	00.0	0209.2	0045	00.1	0194.3	00.0	0046.7	0030	00.1	DEQ
50233	0244.3	00.0	0240.8	0025	00.0	0334.3	00.0	0155.8	0045	00.0	0154.2	00.0	0056.4	0035	00.0	HTS
50238	0847.0	00.2	1077.2	0060	00.2	1095.2	00.7	0454.4	0070	00.6	0966.5	00.2	0069.2	0055	00.2	DEQ
50238	0664.3	00.1	0833.7	0060	00.1	1765.7	01.3	0248.7	0130	01.4	1156.4	00.2	0057.7	0080	00.1	HTS
50268	0427.2	00.0	0722.0	0035	00.1	0393.5	00.0	0544.4	0045	00.1	0280.1	00.0	0059.2	0040	00.1	DEQ
50268	0479.8	00.0	0656.1	0060	00.0	0446.1	00.0	0663.0	0070	00.0	0283.9	00.0	0061.2	0050	00.0	HTS
50273	4062.0	00.2	1149.7	0400	00.2	6691.0	00.7	0949.6	0600	00.7	9120.0	00.8	0091.7	1000	00.9	DEQ
50273	4618.5	00.1	1253.9	0600	00.1	6546.7	01.0	0683.3	0900	01.2	9046.4	00.9	0103.1	0900	01.0	HTS
50305	0302.3	00.1	1068.2	0050	00.1	0556.3	00.5	0522.2	0070	00.6	0372.7	01.0	0070.9	0060	01.0	HTS
50322	0308.4	00.1	0721.2	0020	00.1	0452.2	00.5	0396.1	0025	00.5	0479.8	01.0	0090.3	0025	01.0	HTS
50348	0317.6	00.1	0803.7	0010	00.1	0470.6	00.5	0376.7	0015	00.5	0280.9	00.2	0109.7	0010	00.2	HTS
50360	0435.2	00.0	0774.0	0030	00.1	0557.6	00.0	0282.2	0050	00.1	0383.2	00.0	0045.8	0030	00.0	HTS
50363	0409.4	00.1	1218.7	0020	00.1	1247.8	00.3	0454.3	0050	00.4	4225.3	00.1	0058.8	0360	00.1	HTS
50393	0924.6	00.1	0671.3	0060	00.1	0548.4	00.2	0279.8	0050	00.2	0432.1	00.7	0057.7	0040	00.7	HTS
50406	0346.5	00.1	0621.7	0020	00.1	0588.2	00.3	0401.5	0040	00.3	0689.1	00.7	0074.5	0050	00.7	HTS
50412	0397.1	00.1	0908.1	0020	00.1	0357.4	00.3	0291.7	0020	00.4	1602.8	01.6	0066.1	0060	01.7	HTS
50418	3925.4	00.1	0609.6	0230	00.1	2166.2	00.1	0498.0	0120	00.1	1806.3	00.8	0058.6	0120	00.8	HTS
50428	0498.1	00.0	0932.3	0020	00.0	1951.6	01.0	0842.5	0120	01.0	2410.6	01.6	0112.2	0140	01.8	HTS
50432	0254.7	00.0	0587.8	0020	00.1	0190.5	00.0	0270.2	0020	00.0	0068.1	00.0	0064.9	0020	00.0	HTS
50433	0861.8	00.1	0470.8	0060	00.2	0496.4	00.2	0210.5	0040	00.2	0588.2	00.8	0043.4	0040	00.6	HTS
50490	0381.8	00.1	0743.1	0010	00.1	0859.2	00.3	0245.6	0040	00.3	0739.9	00.7	0053.9	0040	00.8	HTS
50517	0380.1	00.1	0733.4	0015	00.1	0793.1	00.3	0446.9	0040	00.3	0695.2	01.1	0067.3	0050	01.1	HTS
50519	0689.1	00.1	0826.5	0060	00.1	0995.0	00.6	0530.5	0080	00.7	0906.3	01.6	0067.3	0070	01.0	HTS
50525	0670.8	00.2	1227.6	0030	00.2	0652.4	00.6	0442.1	0040	00.7	0823.7	00.9	0045.8	0040	00.9	HTS
50540	0661.6	00.1	1210.9	0050	00.2	1943.3	00.6	0626.0	0080	00.7	2249.2	03.0	0084.0	0090	02.9	HTS
50558	0085.0	00.0	0209.2	0010	00.0	0051.4	00.0	0138.9	0010	00.0	0051.4	00.0	0058.8	0010	00.0	HTS
54013	0452.8	00.0	1002.1	0025	00.0	0468.1	00.0	1502.4	0020	00.0	0167.9	00.0	0074.2	0010	00.0	DEQ
54013	0358.1	00.0	0925.2	0050	00.0	0364.1	00.0	1295.0	0060	00.0	0115.1	00.0	0058.0	0030	00.0	HTS
54023	0756.1	00.2	1750.0	0060	00.2	0890.9	00.3	0559.4	0080	00.6	1185.1	01.5	0039.1	0095	01.5	DEQ
54023	0232.1	00.1	0592.5	0060	00.3	0481.2	00.3	0234.1	0090	00.7	0718.3	00.6	0121.4	0110	01.3	HTS
54040	0464.0	00.1	0689.5	0035	00.2	0365.9	00.2	0281.8	0035	00.3	0430.3	00.8	0069.2	0040	00.9	DEQ
54040	0364.1	00.1	0730.5	0150	00.1	0604.2	00.8	0317.2	0180	01.2	0472.2	01.1	0056.6	0160	01.4	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

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CELL NO=24    MODEL YR(S)=1976
   MAKE=FORD MERC                        MODEL=PINTC MUSTANG II BOBCAT
               ---HI (LAB)---     HI (GAR)      ---LO (LAB)---     LO (GAR)       --IDLE (LAB)--      IDLE(GAR)
EPA NO      HC     CO    NOX      HC    CO     HC     CO    NOX     HC    CO     HC     CO    NOX      HC    CO  LAB

60064    0433.3 00.0 0997.1    0050 00.0   0488.5 00.0 0284.3   0065 00.0   0320.0 00.0 0064.2    0050 00.0 DEQ
60064    0517.2 00.0 0986.0    0125 00.1   0514.2 00.0 0257.0   0150 00.1   0367.1 00.0 0071.7    0150 00.1 MTS
60098    0405.8 00.0 1227.2    0040 00.0   0506.9 00.0 0536.9   0060 00.1   0365.9 00.0 0089.2    0050 00.1 DEQ
60098    0487.2 00.0 1581.8    0160 00.1   0574.2 00.0 0389.8   0210 00.1   0397.2 00.0 0084.2    0200 00.1 MTS
60126    1024.7 00.1 1252.2    0060 00.1   0834.7 00.0 0419.3   0070 00.1   0638.6 00.0 0064.2    0050 00.1 DEQ

60126    0415.3 00.0 1341.6    0050 00.0   0454.3 00.0 0493.1   0065 00.0   0418.3 00.0 0055.5    0050 00.0 MTS
60128    0372.1 00.0 1167.2    0040 00.1   0356.7 00.0 0316.8   0050 00.1   0252.6 00.0 0091.7    0035 00.1 DEQ
60128    0316.3 00.0 1035.3    0045 00.0   0322.3 00.0 0293.8   0050 00.0   0187.3 00.0 0084.7    0035 00.0 MTS
60153    0228.0 00.1 0514.4    0040 00.1   0356.7 00.1 0124.2   0060 00.1   0160.6 00.0 0049.2    0035 00.0 DEQ
60153    0265.1 00.0 0344.7    0200 00.1   0661.3 00.0 0219.2   0250 00.1   0244.1 00.0 0057.5    0190 00.1 MTS

60234    0614.1 00.0 2502.8    0070 00.1   0611.0 00.0 2305.2   0085 00.1   1242.2 00.1 0104.2    0095 00.1 DEQ
60234    0448.2 00.0 2194.0    0070 00.0   0541.2 00.0 1448.0   0090 00.1   0769.3 00.0 0062.3    0080 00.0 MTS
60250    0295.4 00.0 0847.0    0050 00.1   0387.4 00.0 0201.7   0070 00.1   4112.0 01.8 0026.6    0245 02.3 DEQ
60250    0484.2 00.0 0632.0    0070 00.0   0526.2 00.0 0180.6   0090 00.0   2939.2 00.7 0035.7    0200 00.8 MTS
60255    0476.2 00.0 2185.2    0050 00.1   0503.8 00.0 1192.2   0075 00.1   0387.4 00.0 0081.7    0055 00.1 DEQ

60255    0355.1 00.0 1800.5    0060 00.0   0541.2 00.0 0900.0   0090 00.0   0760.3 00.0 0096.1    0130 00.0 MTS
60328    0365.9 00.0 0429.3    0045 00.1   0482.4 00.0 0101.7   0065 00.1   0231.1 00.0 0049.2    0035 00.1 DEQ
60328    0273.1 00.0 0432.6    0070 00.1   0401.6 00.0 0103.1   0090 00.1   0184.4 00.0 0055.4    0070 00.1 MTS
60334    0537.5 00.0 0939.6    0060 00.1   0885.9 00.1 0601.9   0100 00.2   0347.5 00.1 0051.7    0050 00.1 DEQ
60334    0632.8 00.1 0630.4    0080 00.1   1070.3 00.1 0490.7   0130 00.2   0482.8 00.1 0053.9    0070 00.1 MTS

60343    0485.4 00.0 1167.2    0050 00.1   0513.0 00.0 0682.0   0065 00.1   0267.9 00.0 0061.7    0035 00.1 DEQ
60343    0426.0 00.0 0945.9    0070 00.1   0514.7 00.0 0451.7   0100 00.1   0291.4 00.0 0064.9    0080 00.1 MTS
60352    0429.1 00.0 1122.5    0100 00.1   0545.3 00.0 0277.4   0120 00.1   0150.7 00.0 0062.5    0070 00.1 MTS
60353    0218.8 00.0 0684.5    0045 00.1   0310.8 00.0 0189.2   0065 00.1   0212.7 00.0 0049.2    0045 00.1 DEQ
60353    0140.1 00.0 0403.3    0050 00.0   0204.4 00.0 0114.6   0070 00.0   0100.3 00.0 0036.9    0050 00.0 MTS

60406    0499.4 00.0 0814.6    0075 00.1   0685.1 00.0 0403.9   0100 00.1   0386.3 00.0 0055.4    0075 00.0 MTS
60491    0514.7 00.0 1251.5    0050 00.0   0741.1 00.0 0535.2   0090 00.0   0566.7 00.0 0203.4    0060 00.0 MTS
60493    0557.6 00.0 0874.2    0050 00.0   2194.1 01.7 0234.4   0180 01.2   4018.7 04.5 0076.8    0260 04.6 MTS
60512    0550.1 00.1 1774.3    0020 00.1   0767.4 00.1 0437.3   0040 00.1   0406.3 00.1 0058.8    0010 00.1 MTS
60513    0423.0 00.0 1198.9    0060 00.0   0502.5 00.0 0411.1   0090 00.0   0364.9 00.0 0062.5    0060 00.0 MTS

60516    0259.4 00.0 1255.1    0000 00.0   0262.5 00.0 0313.6   0020 00.0   0134.0 00.0 0080.6    0000 00.0 MTS
60525    0441.3 00.0 0671.3    0000 00.0   0383.2 00.0 0394.4   0000 00.0   0215.0 00.0 0050.6    0000 00.0 MTS
60538    0462.7 00.0 0826.5    0000 00.0   0358.5 00.0 0647.4   0020 00.0   0172.1 00.0 0072.1    0000 00.0 MTS
60563    0461.4 00.0 0978.4    0050 00.0   0495.1 00.0 0313.6   0050 00.0   0302.3 00.0 0083.0    0025 00.0 MTS
60562    0522.6 00.0 2436.8    0060 00.1   0519.5 00.0 1124.0   0060 00.1   0623.6 00.0 0060.1    0070 00.0 MTS

60647    0478.0 00.0 0778.8    0030 00.0   0447.4 00.0 0184.3   0040 00.0   0322.0 00.0 0060.1    0020 00.0 MTS
60650    0462.7 00.0 0943.5    0040 00.0   0490.3 00.0 0158.0   0040 00.0   0575.9 00.5 0053.0    0040 00.6 MTS
60666    0545.3 00.0 0898.1    0030 00.0   0523.9 00.0 0360.9   0040 00.0   0245.5 00.0 0062.5    0020 00.0 MTS
60670    0346.5 00.0 0566.3    0020 00.0   0478.0 00.0 0138.9   0050 00.0   0337.3 00.0 0062.5    0020 00.0 MTS
60695    0201.3 00.0 0570.8    0020 00.0   0173.8 00.0 0216.5   0020 00.0   0161.5 00.0 0053.9    0020 00.0 MTS

60718    0603.5 00.0 1079.6    0050 00.0   0618.7 00.0 0210.5   0050 00.0   0254.7 00.0 0067.3    0020 00.0 MTS
60729    0615.7 00.0 0814.6    0045 00.0   0930.8 00.0 0375.3   0090 00.0   2536.7 00.0 0038.6    0340 00.0 MTS
64014    0262.8 00.0 1184.7    0035 00.0   0318.0 00.0 0314.3   0045 00.0   0160.1 00.0 0099.2    0025 00.0 DEQ
64014    0292.3 00.0 1005.0    0040 00.1   0358.3 00.0 0674.8   0070 00.1   0157.2 00.0 0157.0    0050 00.0 MTS
64031    0604.2 00.0 0909.6    0050 00.0   0777.6 00.0 0191.7   0080 00.1   0469.6 00.0 0054.2    0055 00.0 DEQ

64031    0400.3 00.0 0719.1    0040 00.0   0556.3 00.0 0541.4   0065 00.1   0357.3 00.0 0069.2    0050 00.0 MTS
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APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=25   MODEL YR(S)=1976

MAKE=FORD MERC   MODEL=PINTC MUSTANG II BOBCAT

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
60013	0636.6	00.0	2502.8	0070	00.0	0650.5	00.1	1204.7	0080	00.1	0362.9	00.0	0066.7	0050	00.0	DEQ
60013	0610.2	00.0	2511.5	0240	00.1	0541.2	00.1	0925.9	0250	00.2	0274.1	00.0	0051.6	0230	00.1	HTS
60014	0534.4	00.0	1472.3	0065	00.1	0457.8	00.0	0882.1	0065	00.1	0139.2	00.0	0071.7	0035	00.1	DEQ
60014	0651.3	00.0	1366.7	0250	00.2	0463.2	00.0	0740.5	0250	00.2	0457.2	00.0	0084.2	0225	00.1	HTS
60045	0209.7	00.0	0629.4	0040	00.0	0215.8	00.0	0804.5	0050	00.0	0154.5	00.0	0039.1	0040	00.0	DEQ
60045	0349.1	00.0	1404.3	0170	00.0	0367.1	00.0	1279.1	0180	00.0	0220.1	00.0	0074.2	0170	00.0	HTS
60051	0430.3	00.0	1089.7	0040	00.1	0467.0	00.0	0466.9	0060	00.1	0237.2	00.0	0054.2	0030	00.1	DEQ
60051	0313.3	00.0	1385.6	0060	00.1	0340.3	00.0	0332.1	0070	00.1	0187.3	00.0	0069.2	0040	00.1	HTS
60095	0672.3	00.0	1582.4	0060	00.1	0525.3	00.0	0336.8	0050	00.0	0258.7	00.0	0046.7	0030	00.0	DEQ
60095	0439.3	00.0	1651.0	0060	00.0	0547.3	00.0	0436.7	0080	00.0	0214.3	00.0	0035.1	0040	00.0	HTS
60107	0402.7	00.0	2502.8	0060	00.0	0301.6	00.0	1657.4	0055	00.0	0068.7	00.0	0134.2	0020	00.0	DEQ
60107	0433.3	00.0	2430.3	0100	00.1	0283.3	00.0	1237.6	0090	00.1	0157.2	00.0	0110.6	0070	00.1	HTS
60115	0825.5	00.2	1677.4	0075	00.3	0942.0	00.2	0649.4	0110	00.3	0298.5	00.0	0081.7	0050	00.1	DEQ
60115	0847.3	00.2	1615.1	0250	01.2	1099.4	00.3	0409.8	0150	00.6	0268.1	00.0	0059.1	0110	00.1	HTS
60122	0295.4	00.0	0544.4	0040	00.1	0252.6	00.0	0341.8	0050	00.1	0151.4	00.0	0056.7	0035	00.1	DEQ
60122	0304.1	00.0	0670.4	0150	00.1	0184.1	00.0	0217.0	0180	00.1	0115.1	00.0	0059.1	0200	00.1	HTS
60134	0350.6	00.0	1167.2	0050	00.0	0267.9	00.0	0604.4	0045	00.0	0301.6	00.0	0049.2	0050	00.0	DEQ
60134	0640.4	00.0	1266.7	0060	00.0	0412.3	00.0	0976.9	0060	00.0	0244.3	00.0	0065.2	0060	00.0	HTS
60145	0090.2	00.1	0546.9	0020	00.2	0114.7	00.0	0206.7	0020	00.1	0117.7	00.0	0056.7	0025	00.1	DEQ
60145	0085.0	00.0	0400.3	0180	00.1	0115.1	00.0	0209.6	0220	00.1	0145.1	00.0	0059.9	0220	00.1	HTS
60148	0617.2	00.0	1970.1	0045	00.1	0545.8	00.0	0669.5	0050	00.1	1456.7	00.0	0049.2	0080	00.1	DEQ
60146	0673.4	00.0	2005.3	0060	00.0	0523.3	00.0	0510.1	0070	00.0	1075.5	00.0	0040.9	0060	00.0	HTS
60149	0451.7	00.0	0942.1	0040	00.1	0286.3	00.0	0269.3	0030	00.1	0169.8	00.0	0051.7	0020	00.1	DEQ
60149	0487.3	00.0	1008.5	0040	00.1	0430.3	00.0	0242.7	0050	00.1	0235.3	00.0	0055.5	0040	00.1	HTS
60212	0598.8	00.1	0814.5	0055	00.1	0445.6	00.1	0219.2	0050	00.1	0372.1	00.0	0056.7	0035	00.1	DEQ
60212	0670.4	00.0	0777.6	0070	00.0	0574.3	01.0	0155.2	0055	00.3	0316.3	00.0	0057.9	0040	00.0	HTS
60230	0139.2	00.0	0419.3	0030	00.1	0151.4	00.0	0251.8	0030	00.1	0120.8	00.0	0051.7	0030	00.1	DEQ
60230	0148.2	00.0	0463.9	0030	00.0	0145.2	00.0	0191.6	0030	00.0	0124.2	00.0	0055.5	0030	00.0	HTS
60235	0488.5	00.1	1329.8	0060	00.2	0549.6	00.2	0626.9	0060	00.2	0280.1	00.0	0069.2	0055	00.1	DEQ
60235	0772.4	00.1	0689.4	0070	00.2	0604.4	00.1	0378.8	0060	00.2	0289.3	00.0	0135.7	0030	00.0	HTS
60240	0703.0	00.0	0892.1	0065	00.1	0454.8	00.0	0226.7	0050	00.1	0559.0	00.0	0044.2	0055	00.1	DEQ
60240	0685.4	00.0	0556.3	0060	00.1	0406.3	00.0	0150.3	0050	00.0	0913.4	00.0	0045.8	0070	00.0	HTS
60267	0274.0	00.0	1970.1	0045	00.1	0335.3	00.0	0862.0	0055	00.1	1717.2	00.2	0054.2	0150	00.3	DEQ
60267	0226.1	00.0	0991.2	0030	00.1	0349.1	00.0	0606.9	0050	00.1	0316.1	00.0	0043.4	0040	00.1	HTS
60275	0320.0	00.0	1612.5	0040	00.1	0378.2	00.0	0952.1	0060	00.1	0292.4	00.0	0074.2	0050	00.1	DEQ
60275	0193.3	00.0	0515.0	0030	00.1	0211.3	00.1	0252.9	0030	00.1	0715.4	00.0	0053.9	0080	00.1	HTS
60285	0212.7	00.0	1582.4	0030	00.1	0255.6	00.0	0564.4	0035	00.1	0172.9	00.0	0051.7	0035	00.1	DEQ
60285	0217.3	00.0	1527.8	0040	00.0	0223.3	00.0	0476.1	0045	00.0	0139.2	00.0	0063.6	0035	00.0	HTS
60307	0632.5	00.0	1812.5	0070	00.1	0733.6	00.1	0601.9	0085	00.1	0742.8	00.1	0071.7	0075	00.1	DEQ
60307	0635.8	00.0	1201.7	0060	00.0	0580.7	00.2	0306.3	0070	00.2	0941.8	00.3	0090.3	0080	00.3	HTS
60366	0048.3	00.0	0478.6	0010	00.0	0225.8	00.0	0296.6	0020	00.0	0078.9	00.0	0053.9	0010	00.0	HTS
60374	0673.8	00.0	[illegible]637.9	0080	00.1	0493.3	00.0	0279.8	0060	00.1	0267.0	00.0	0057.7	0040	00.0	HTS
60387	0877.6	00.0	2436.8	0080	00.0	0736.6	00.0	1259.9	0080	00.0	0225.8	00.0	0092.8	0020	00.0	HTS
60431	0618.7	00.0	2397.4	0060	00.0	0496.4	00.0	1280.1	0060	00.0	0404.6	00.0	0072.1	0040	00.0	HTS
60453	0060.5	00.0	0557.8	0050	00.0	0066.7	00.0	0119.4	0025	00.0	0207.4	00.0	0039.4	0050	00.0	HTS
60464	0730.7	00.0	1546.2	0050	00.1	0825.5	00.1	0335.4	0100	00.1	0461.4	00.0	0053.9	0025	00.0	HTS
60476	0444.4	00.0	2397.4	0020	00.0	0444.4	00.0	1017.5	0020	00.0	0129.3	00.0	0074.5	0000	00.0	HTS
60554	0354.3	00.0	0966.3	0010	00.0	0430.8	00.0	0830.4	0040	00.0	0158.5	00.0	0056.4	0035	00.0	HTS
60593	0355.7	00.0	1210.9	0020	00.0	0404.6	00.0	0635.5	0040	00.0	0600.4	00.0	0050.6	0030	00.0	HTS
60608	0794.9	00.0	1963.0	0080	00.1	1865.9	01.5	0551.4	0150	01.4	9569.0	03.9	0032.1	0820	04.0	HTS
60709	0354.3	00.0	0661.8	0000	00.0	0193.5	00.0	0394.4	0000	00.0	0163.0	00.0	0060.1	0000	00.0	HTS
60711	0701.3	00.0	1151.2	0000	00.1	0548.4	00.0	0432.6	0000	00.0	0208.8	00.0	0057.7	0000	00.0	HTS
64008	0296.5	00.0	1997.6	0040	00.0	0253.6	00.0	1810.0	0050	00.0	0068.2	00.0	0079.2	0020	00.0	DEQ
64008	0301.3	00.0	1610.5	0050	01.5	0265.3	00.0	1762.9	0055	01.5	0106.2	00.0	0074.4	0050	01.5	HTS
64012	0704.0	00.0	1687.4	0040	00.1	0483.4	00.0	1139.7	0050	00.1	0446.7	00.0	0056.7	0040	00.1	DEQ
64012	0328.1	00.0	1822.3	0065	00.0	0553.2	00.0	0610.3	0080	00.0	2479.5	01.6	0023.0	0110	01.7	HTS
64051	0408.6	00.0	1992.6	0055	00.1	0267.9	00.0	1594.9	0050	00.1	0064.0	00.0	0104.2	0020	00.1	DEQ
64051	0424.3	00.0	1778.0	0070	00.0	0337.3	00.0	1232.7	0070	00.0	0088.2	00.0	0064.3	0040	00.0	HTS
64056	0771.7	00.0	1660.3	0040	00.0	1004.2	00.0	1466.3	0100	00.0	0814.5	00.0	0076.8	0080	00.0	HTS
66043	0773.5	00.0	2436.8	0050	00.0	3975.4	02.4	0995.4	0240	02.2	9992.8	08.0	0073.3	0450	08.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=26 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=PINTO MUSTANG II BOBCAT

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70083	0228.0	00.0	1507.4	0050	00.1	0289.3	00.1	0316.8	0055	00.2	3592.2	06.3	0056.7	0260	06.2	DEQ
70083	0169.2	00.0	1605.1	0010	00.0	0256.3	00.2	0388.1	0010	00.1	4955.0	07.0	0049.7	0270	06.6	HTS
70084	0139.2	00.0	0551.9	0040	00.1	0145.3	00.0	0229.2	0040	00.1	0169.8	00.0	0086.7	0030	00.1	DEQ
70084	0073.0	00.0	0307.1	0150	00.1	0085.0	00.0	0136.8	0175	00.1	0163.1	00.0	0071.7	0200	00.1	HTS
70085	0430.3	00.0	1537.4	0050	00.1	2032.8	01.6	0476.9	0190	01.7	0598.8	00.0	0204.2	0050	00.1	DEQ
70085	0244.3	00.0	1456.7	0040	00.0	2599.8	02.0	0517.1	0200	01.7	0232.3	00.0	0178.7	0035	00.0	HTS
70097	0087.1	00.0	1039.6	0030	00.0	0145.3	00.0	2502.8	0030	00.0	1858.1	02.1	0171.7	0150	02.2	DEQ
70097	0112.0	00.0	1387.7	0160	00.1	0166.1	00.0	2054.0	0200	00.1	1936.7	01.9	0113.0	0310	02.2	HTS
70104	0139.2	00.0	1637.4	0025	00.1	0228.0	00.3	0136.7	0030	00.3	0081.0	00.0	0129.2	0015	00.1	DEQ
70104	0079.0	00.0	1554.2	0160	00.1	0082.0	00.0	0443.7	0210	00.1	0055.0	00.0	0142.0	0200	00.1	HTS
70121	0341.4	00.0	2147.7	0040	00.1	0228.0	00.2	0114.2	0040	00.2	0136.1	00.0	0166.7	0030	00.1	DEQ
70121	0175.1	00.0	2218.4	0150	00.1	0550.2	00.4	0239.5	0200	00.7	0091.0	00.0	0109.2	0150	00.1	HTS
70134	0108.5	00.0	1164.7	0035	00.1	0139.2	00.0	0371.8	0040	00.1	3372.3	05.9	0064.2	0220	05.3	DEQ
70134	0058.0	00.0	0439.9	0170	00.1	0127.1	00.0	0199.4	0180	00.1	3898.8	06.4	0056.6	0450	07.2	HTS
70156	0503.8	00.0	1522.4	0050	00.1	1867.3	00.9	0421.8	0180	01.1	2952.5	04.9	0049.2	0220	04.7	DEQ
70156	0208.3	00.0	1499.6	0030	00.0	2296.7	01.4	0293.8	0150	01.4	4875.0	02.3	0062.8	0250	05.6	HTS
70160	0264.8	00.0	1092.2	0045	00.1	0182.1	00.1	0231.7	0040	00.1	0237.2	00.0	0101.7	0055	00.1	DEQ
70160	0181.3	00.0	1127.7	0030	00.0	0694.4	00.5	0322.9	0050	00.4	0241.3	00.0	0150.9	0040	00.0	HTS
70167	0347.5	00.0	1434.8	0050	00.1	1790.7	01.4	0526.9	0170	01.7	2786.5	03.9	0081.7	0210	03.8	DEQ
70167	1159.5	00.3	0911.3	0070	00.5	2428.8	02.3	0247.6	0200	02.3	3195.8	03.1	0079.8	0240	02.5	HTS
70183	0752.0	00.3	1194.7	0080	00.4	2342.2	02.0	0299.3	0195	02.0	1836.7	00.7	0146.7	0140	00.7	DEQ
70183	1600.6	00.6	1090.7	0150	00.1	2492.0	01.5	0354.4	0230	01.5	1837.7	00.3	0134.7	0160	00.5	HTS
70188	0108.5	00.0	0536.9	0035	00.1	0117.7	00.0	0186.7	0040	00.1	0206.6	00.0	0066.7	0040	00.1	DEQ
70188	0103.2	00.0	0558.8	0020	00.0	0130.2	00.0	0230.5	0020	00.0	0196.3	00.0	0055.5	0020	00.0	HTS
70270	0246.4	00.0	1634.9	0050	00.1	0200.5	00.0	0351.8	0045	00.1	1790.7	02.0	0119.2	0170	02.1	DEQ
70270	0120.1	00.0	1007.9	0065	00.0	0221.1	00.0	0227.3	0060	00.1	2322.6	03.9	0088.8	0275	03.8	HTS
70273	0320.1	00.0	1344.8	0045	00.1	0467.0	00.3	0141.7	0050	00.2	0148.4	00.0	0354.3	0035	00.1	DEQ
70273	0462.7	00.0	0996.0	0050	00.1	1542.6	00.7	0270.2	0160	00.9	0248.6	00.0	0432.6	0050	00.1	HTS
70291	0225.0	00.0	0917.1	0040	00.1	2140.0	02.2	0171.7	0180	02.5	3002.4	05.0	0051.7	0220	04.8	DEQ
70291	0777.8	00.4	0661.8	0110	00.5	2469.5	02.7	0191.4	0110	00.5	3549.0	06.2	0064.9	0240	03.0	HTS
70294	0194.3	00.0	1409.8	0030	00.1	2587.4	02.2	0409.3	0220	02.3	0390.4	00.0	0066.7	0030	00.1	DEQ
70294	0169.1	00.0	1707.5	0060	00.0	2178.8	01.6	0501.8	0225	01.9	0257.8	00.0	0129.4	0060	00.0	HTS
70370	1012.2	00.1	1427.3	0065	00.2	2881.9	01.4	0478.6	0200	01.8	0871.4	00.1	0124.3	0060	00.1	HTS
70373	0782.7	00.5	1250.2	0060	00.6	2536.1	02.1	0357.2	0180	02.0	2126.0	01.1	0160.1	0130	01.1	HTS
70375	0118.7	00.0	0626.6	0010	00.0	0134.0	00.0	0156.3	0010	00.0	0219.7	00.0	0073.3	0010	00.0	HTS
70377	0951.0	00.4	0777.0	0040	00.4	1468.1	01.4	0146.1	0080	01.3	1058.1	00.5	0053.9	0050	00.6	HTS
70390	0192.1	00.0	0626.6	0000	00.0	0213.5	00.0	0175.3	0000	00.0	0085.0	00.0	0087.9	0000	00.0	HTS
70398	0767.4	00.0	1696.7	0040	00.1	3265.7	01.8	0631.4	0200	02.0	5624.7	07.1	0078.2	0260	07.0	HTS
70415	0260.8	00.0	0583.0	0020	00.0	0276.1	00.0	0184.3	0010	00.0	0511.7	00.0	0057.7	0025	00.0	HTS
70437	0499.4	00.0	0571.0	0000	00.0	0334.3	00.0	0210.5	0000	00.0	0205.8	00.0	0064.9	0000	00.0	HTS
70447	0374.0	00.0	0910.1	0050	00.0	2779.3	01.2	0470.8	0240	01.2	5338.1	08.4	0067.3	0340	07.6	HTS
70491	0395.4	00.0	2397.4	0060	00.0	2497.0	01.0	1547.5	0210	01.1	4058.5	06.6	0074.5	0300	06.2	HTS
70527	0211.9	00.0	1184.6	0020	00.0	2230.8	01.5	0308.4	0170	01.6	2613.2	03.1	0112.7	0170	03.2	HTS
70536	0143.2	00.0	0929.9	0030	00.0	0436.9	00.5	0121.9	0045	00.5	1462.0	00.7	0102.5	0110	00.8	HTS
70557	0300.6	00.0	1368.5	0030	00.0	1772.0	00.6	0165.2	0160	00.6	9992.3	08.9	0036.3	0560	08.4	HTS
70575	1781.2	00.8	1628.7	0140	01.0	2642.6	02.2	0516.1	0190	02.2	2191.1	01.3	0093.6	0180	01.4	HTS
70590	0267.0	00.0	2082.3	0040	00.0	2240.0	01.5	0518.5	0170	01.7	2191.1	01.8	0105.5	0160	02.0	HTS
70604	0114.0	00.0	0972.1	0010	00.0	1848.5	01.1	0244.0	0120	01.0	2805.9	04.2	0084.0	0170	04.4	HTS
70614	0348.4	00.0	0812.2	0030	00.0	3040.1	02.3	0248.7	0200	02.2	3910.4	05.0	0064.9	0240	04.6	HTS
70626	0300.6	00.0	1091.5	0040	00.0	0523.9	00.0	0454.1	0060	00.0	3870.3	06.6	0064.9	0220	05.8	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=27 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=PINTO MUSTANG II BOBCAT

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70071	0200.5	00.0	0774.5	0040	00.0	0120.8	00.0	1074.7	0030	00.0	0313.8	00.0	0101.7	0050	00.0	DEQ
70071	0142.1	00.0	0945.9	0180	00.1	0082.0	00.0	1634.8	0190	00.1	0241.1	00.0	0061.6	0150	00.1	HTS
70074	0176.0	00.0	0932.1	0035	00.0	0169.8	00.0	0489.4	0035	00.0	0442.5	00.0	0051.7	0040	00.0	DEQ
70074	0097.0	00.0	0910.8	0130	00.1	0169.1	00.0	0342.6	0190	00.1	0469.2	00.0	0044.1	0200	00.1	HTS
70077	0231.1	00.0	1077.2	0030	00.0	0228.0	00.0	0199.2	0030	00.0	0464.0	00.0	0044.2	0030	00.0	DEQ
70077	0409.2	00.0	0996.0	0140	00.1	0316.1	00.0	0429.9	0180	00.1	0475.2	00.0	0041.6	0200	00.1	HTS
70079	0313.8	00.0	0829.5	0035	00.1	0221.9	00.0	0667.0	0030	00.1	0364.3	00.0	0064.2	0030	00.1	DEQ
70079	0331.1	00.0	0329.7	0130	00.1	0181.1	00.0	0164.4	0150	00.1	0187.1	00.0	0046.6	0160	00.1	HTS
70081	0323.0	00.0	1292.3	0030	00.1	0270.5	00.0	0739.5	0030	00.1	0675.4	00.0	0064.2	0050	00.1	DEQ
70081	0298.3	00.0	1466.4	0008	00.0	0238.3	00.0	0780.0	0040	00.0	0688.4	00.0	0044.8	0050	00.0	HTS
70102	0212.7	00.0	1012.1	0030	00.0	0200.5	00.0	0404.3	0035	00.0	0270.9	00.0	0046.7	0030	00.0	DEQ
70102	0232.1	00.0	1011.1	0050	00.1	0193.1	00.0	0316.2	0120	00.1	0229.1	00.0	0081.6	0130	00.1	HTS
70120	0350.6	00.0	1997.6	0050	00.1	0240.3	00.0	0934.6	0050	00.1	0298.5	00.0	0111.7	0045	00.1	DEQ
70120	0226.1	00.0	2003.0	0080	00.0	0208.1	00.0	0790.6	0120	00.1	0325.1	00.0	0096.7	0135	00.0	HTS
70169	0261.7	00.0	1307.3	0035	00.1	0234.2	00.0	0304.3	0045	00.1	0464.0	00.0	0049.2	0050	00.1	DEQ
70169	0286.1	00.0	1235.6	0060	00.1	0238.1	00.0	0139.5	0055	00.1	0703.3	00.0	0067.1	0070	00.1	HTS
70172	0301.6	00.0	0712.0	0050	00.1	0203.5	00.0	0151.7	0035	00.1	0166.8	00.0	0054.2	0035	00.1	DEQ
70172	0241.1	00.0	1044.9	0025	00.1	0124.1	00.0	0175.8	0025	00.1	0133.1	00.0	0062.3	0025	00.1	HTS
70190	0902.1	00.0	1597.4	0075	00.1	0611.0	00.0	0782.0	0070	00.1	0819.4	00.0	0079.2	0070	00.1	DEQ
70190	0319.1	00.0	1303.2	0065	00.0	0265.1	00.0	0641.7	0065	00.0	0451.2	00.0	0064.7	0065	00.0	HTS
70197	0347.5	00.0	0341.8	0045	00.1	1205.5	02.5	0079.2	0105	02.8	7280.8	04.8	0021.6	0770	04.8	DEQ
70197	0265.3	00.0	0444.5	0040	00.0	0334.3	00.0	0094.4	0050	00.1	6134.5	04.0	0031.2	0600	04.0	HTS
70232	0516.1	00.0	0922.1	0085	00.1	0439.5	00.0	0929.6	0080	00.1	0341.4	00.0	0091.7	0055	00.1	DEQ
70232	0364.1	00.0	0869.5	0060	00.1	0382.2	00.0	0604.5	0070	00.1	0403.2	00.0	0053.0	0060	00.1	HTS
70260	0225.0	00.0	0291.8	0045	00.1	0176.0	00.0	0094.2	0035	00.1	0117.7	00.0	0041.7	0030	00.1	DEQ
70260	0091.2	00.0	0146.1	0020	00.0	0064.2	00.0	0078.2	0020	00.0	0061.2	00.0	0046.6	0020	00.0	HTS
70272	0243.4	00.0	0794.5	0045	00.1	0176.0	00.0	0486.9	0040	00.1	0163.7	00.0	0066.7	0035	00.1	DEQ
70272	0227.2	00.0	0480.3	0050	00.0	0181.3	00.0	0193.8	0050	00.0	0215.0	00.0	0053.0	0050	00.0	HTS
70298	0289.3	00.0	1337.3	0050	00.1	0292.4	00.0	0291.8	0045	00.1	0905.2	00.0	0034.1	0060	00.1	DEQ
70298	0262.5	00.0	1279.3	0050	00.0	0256.4	00.0	0311.1	0050	00.0	0798.0	00.0	0049.1	0070	00.0	HTS
70358	0314.5	00.0	1352.1	0050	00.0	0268.6	00.0	0529.5	0050	00.0	0834.7	00.0	0049.1	0070	00.0	HTS
70361	0752.1	00.0	1034.2	0050	00.1	1272.3	00.6	1043.9	0080	00.6	9992.8	00.3	0366.9	1200	00.2	HTS
70362	0268.6	00.0	1036.7	0040	00.0	0455.3	00.0	0857.1	0060	00.0	0238.0	00.0	0109.7	0030	00.0	HTS
70366	1655.8	00.6	0511.4	0100	01.0	4018.7	02.0	0164.3	0800	02.6	3998.8	04.4	0072.1	0300	04.2	HTS
70391	0277.8	00.0	1060.9	0000	00.0	0256.4	00.0	0500.4	0000	00.0	0112.6	00.0	0063.6	0000	00.0	HTS
70402	0054.4	00.0	0369.4	0010	00.0	0072.8	00.0	0138.9	0000	00.0	0225.8	00.7	0032.1	0000	00.7	HTS
70416	0198.2	00.0	1053.7	0020	00.0	0192.1	00.0	0733.4	0020	00.0	0179.9	00.0	0073.3	0000	00.0	HTS
70429	0156.8	00.0	1012.7	0040	00.0	0248.6	00.0	0587.8	0060	00.0	0631.0	00.0	0055.4	0060	00.0	HTS
70432	0413.8	00.0	1047.8	0060	00.0	0282.3	00.0	0071.3	0050	00.0	0132.4	00.0	0064.9	0020	00.0	HTS
70479	0514.7	00.0	0933.9	0050	00.1	0367.9	00.0	0377.7	0050	00.0	0312.8	00.0	0067.3	0020	00.0	HTS
70497	0190.5	00.0	0571.0	0020	00.0	0181.3	00.0	0322.7	0020	00.0	0471.9	00.0	0048.2	0020	00.0	HTS
70529	1085.6	01.4	0233.5	0060	01.4	0461.4	00.1	0151.0	0045	00.2	0038.9	00.4	0058.8	0050	00.4	HTS
70532	1906.8	00.3	2436.8	0120	00.2	4217.1	02.9	1208.9	0190	02.8	9989.2	08.9	0080.6	0620	08.8	HTS
70543	0372.7	00.0	1327.8	0050	00.0	0345.1	00.0	0602.3	0040	00.0	0146.2	00.0	0090.3	0020	00.0	HTS
70576	0293.1	00.0	1230.8	0060	00.0	0259.4	00.0	0284.4	0060	00.0	0134.0	00.0	0058.8	0050	00.0	HTS
70577	0250.3	00.0	0944.5	0050	00.0	0277.8	00.0	0561.1	0050	00.0	0954.1	00.0	0051.5	0110	00.0	HTS
70588	0406.3	00.0	0624.2	0050	00.0	0290.0	00.0	0459.2	0040	00.0	0400.2	00.0	0056.4	0040	00.0	HTS
70595	0311.5	00.0	1155.6	0015	00.0	0296.2	00.0	0427.6	0010	00.0	0167.6	00.0	0051.5	0010	00.0	HTS
70607	0404.6	00.0	0879.0	0050	00.0	0325.1	00.0	0253.5	0050	00.0	0309.8	00.0	0076.6	0050	00.0	HTS
70616	0432.1	00.0	0946.3	0060	00.0	0352.6	00.0	0384.8	0040	00.0	0285.3	00.0	0112.7	0030	00.0	HTS
70619	0572.9	00.0	0726.2	0000	00.0	0352.6	00.0	0673.7	0000	00.0	0710.5	00.0	0048.2	0000	00.0	HTS
70645	0369.6	00.0	0745.5	0040	00.0	0299.2	00.0	0757.6	0040	00.0	0675.6	00.0	0073.3	0050	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=28 MODEL YR(S)=1975,1976

MAKE=FORD MODEL=PINTC MUSTANG II

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50009	0500.7	00.1	1684.9	0050	00.1	0540.6	00.0	1860.0	0090	00.1	0237.2	00.0	0174.2	0045	00.1	DEQ
50009	0541.2	00.1	1569.6	0180	00.2	0556.2	00.0	1845.2	0230	00.1	0256.1	00.0	0211.9	0210	00.1	HTS
50010	0580.4	00.1	1349.8	0040	00.1	0335.3	00.0	0354.5	0030	00.0	0344.5	00.0	0084.2	0035	00.0	DEQ
50010	0274.3	00.1	1167.0	0025	00.1	0109.2	00.0	0273.6	0015	00.0	0181.3	00.0	0074.0	0020	00.0	HTS
50023	0525.3	00.0	2090.1	0045	00.1	0549.8	00.0	1925.1	0075	00.1	0310.8	00.0	0126.7	0050	00.0	DEQ
50023	0517.3	00.0	2410.9	0055	00.1	0316.3	00.0	0317.5	0035	00.0	0211.3	00.0	0132.5	0035	00.0	HTS
50044	0577.3	00.1	1787.5	0060	00.1	0307.7	00.0	1139.7	0040	00.0	0203.5	00.0	0106.7	0030	00.1	DEQ
50044	1096.5	00.7	1247.3	0100	00.7	0349.3	00.0	0938.2	0050	00.1	0517.3	00.2	0108.1	0060	00.3	HTS
50060	0439.5	00.1	1209.8	0040	00.1	0516.1	00.1	0444.6	0060	00.0	0301.6	00.0	0096.7	0040	00.0	DEQ
50060	0406.2	00.1	1291.6	0170	00.1	0487.2	00.0	1058.6	0230	00.1	0304.1	00.0	0071.7	0210	00.1	HTS
50065	0326.1	00.0	0501.9	0030	00.1	0165.8	00.1	0506.9	0030	00.1	0142.2	00.0	0181.7	0030	00.0	DEQ
50065	0373.5	00.1	0410.0	0040	00.1	0199.3	00.1	0441.6	0035	00.1	0154.2	00.0	0125.2	0030	00.0	HTS
50068	0543.6	00.1	2035.1	0050	00.1	0139.2	00.1	0596.9	0030	00.1	0283.2	00.0	0101.7	0040	00.0	DEQ
50068	0439.2	00.1	1840.2	0170	00.1	0100.0	00.1	0547.6	0200	00.1	0295.1	00.0	0081.7	0220	00.1	HTS
50070	0454.8	00.1	1572.4	0040	00.2	0350.6	00.1	0839.5	0050	00.1	0387.4	00.0	0089.2	0050	00.0	DEQ
50070	0568.3	00.2	1446.9	0060	00.2	0433.3	00.1	0629.0	0060	00.1	0508.3	00.0	0061.9	0060	00.1	HTS
50076	0427.2	00.1	1757.5	0050	00.1	0405.8	00.0	1122.2	0070	00.1	0221.9	00.0	0169.2	0050	00.1	DEQ
50076	0367.3	00.1	1646.5	0030	00.1	0298.3	00.0	0848.1	0030	00.1	0094.2	00.0	0081.3	0010	00.1	HTS
50142	0209.7	00.1	0251.8	0020	00.2	0218.8	00.1	0321.8	0025	00.2	0280.1	00.1	0126.7	0030	00.1	DEQ
50142	0052.0	00.1	0238.5	0120	00.2	0097.0	00.1	0197.5	0200	00.2	0172.1	00.1	0079.2	0200	00.1	HTS
50162	0298.5	00.1	1822.5	0040	00.1	0307.7	00.0	1269.7	0045	00.1	0405.8	00.0	0151.7	0075	00.1	DEQ
50162	0310.1	00.1	1928.4	0070	00.1	0355.1	00.0	1370.8	0060	00.1	1687.6	00.0	0098.5	0270	00.1	HTS
50219	0528.3	00.1	1079.7	0055	00.2	0525.3	00.1	0634.4	0080	00.1	0286.3	00.0	0149.2	0050	00.1	DEQ
50219	0613.4	00.1	1136.8	0065	00.2	0529.3	00.1	0731.4	0065	00.1	0277.3	00.0	0126.0	0050	00.0	HTS
50225	0859.2	00.3	1477.3	0075	00.3	0908.3	00.1	1147.2	0100	00.2	0583.5	00.0	0114.2	0080	00.1	DEQ
50225	0532.5	00.1	1427.3	0060	00.2	0670.4	00.1	1230.8	0080	00.1	0424.3	00.0	0107.3	0080	00.0	HTS
50245	0326.1	00.1	0869.6	0040	00.2	0295.4	00.1	0204.2	0040	00.1	7570.6	01.6	0029.1	0260	03.4	DEQ
50245	0601.2	00.2	1740.9	0080	00.2	0664.3	00.1	0702.4	0090	00.1	1291.5	00.0	0069.7	0130	00.0	HTS
50328	0257.6	00.1	1034.2	0040	00.1	0603.5	00.0	1356.5	0080	00.0	0276.1	00.0	0193.8	0040	00.0	HTS
50399	0794.9	00.4	1405.5	0030	00.4	0574.6	00.1	0631.4	0020	00.2	0241.1	00.0	0107.3	0000	00.0	HTS
50435	0462.7	00.1	1454.4	0030	00.1	0337.3	00.0	0845.6	0020	00.1	0248.6	00.0	0136.5	0020	00.0	HTS
50438	0371.0	00.1	1423.4	0020	00.1	0334.3	00.0	0852.8	0020	00.1	0175.2	00.0	0208.2	0000	00.0	HTS
50532	0265.6	00.1	1497.7	0020	00.1	0416.6	00.0	1002.7	0040	00.0	0274.7	00.0	0095.2	0020	00.0	HTS
50545	3486.9	02.2	1490.4	0230	02.2	3536.9	02.0	0900.8	0240	02.0	4057.1	02.3	0107.3	0250	02.3	HTS
54042	0362.9	00.1	1612.4	0040	00.1	0277.1	00.0	0907.1	0040	00.1	0096.3	00.0	0069.2	0025	00.1	DEQ
54042	0424.3	00.1	1305.7	0050	00.2	0259.3	00.0	0595.0	0045	00.1	0094.2	00.0	0074.0	0030	00.0	HTS
56032	2581.2	01.9	1342.5	0150	02.1	3382.3	02.0	1107.2	0200	02.2	3712.2	03.8	0104.2	0235	03.8	DEQ
56032	3295.7	03.1	0899.2	0180	02.8	4915.0	03.4	0801.9	0215	03.2	7334.0	07.7	0096.0	0320	07.2	HTS
60047	0473.2	00.1	1512.4	0040	00.1	0537.5	00.0	0942.1	0060	00.1	0295.4	00.0	0069.2	0035	00.0	DEQ
60047	0604.2	00.1	1291.6	0210	00.2	0559.2	00.0	0963.4	0200	00.1	0349.1	00.0	0064.2	0170	00.1	HTS
60072	0889.9	00.1	1119.7	0060	00.2	0681.5	00.0	1254.7	0080	00.1	0433.3	00.0	0011.2	0050	00.0	DEQ
60072	0568.2	00.1	0936.4	0120	00.3	0409.2	00.0	0938.4	0130	00.1	0244.1	00.0	0099.2	0110	00.0	HTS
60073	0776.5	00.2	0631.9	0070	00.3	0617.2	00.1	0576.9	0070	00.2	0886.8	01.0	0071.7	0110	00.7	DEQ
60073	0064.3	00.2	0735.5	0140	00.1	0343.1	00.0	0565.1	0120	00.1	6907.4	08.6	0076.7	0450	08.6	HTS
60093	0433.3	00.1	0714.5	0050	00.1	0485.4	00.0	1224.7	0070	00.1	0375.1	00.0	0131.7	0060	00.0	DEQ
60093	0634.4	00.1	0607.1	0070	00.1	0592.3	00.1	0999.0	0090	00.1	0361.3	00.0	0132.5	0050	00.0	HTS
60097	0706.0	00.2	0594.4	0070	00.2	0559.0	00.1	1004.6	0060	00.1	0347.5	00.0	0096.7	0040	00.0	DEQ
60097	0676.4	00.2	0410.0	0060	00.2	0625.4	00.1	0760.5	0080	00.1	3785.5	04.1	0088.6	0270	04.0	HTS
60103	0595.7	00.1	0879.6	0070	00.2	0519.1	00.0	0864.5	0070	00.1	0289.3	00.0	0114.2	0040	00.0	DEQ
60103	0532.2	00.1	0437.4	0180	00.1	0436.2	00.0	0427.4	0230	00.1	0277.1	00.0	0056.6	0210	00.1	HTS
60113	0819.4	00.1	0411.8	0065	00.1	0752.0	00.0	1167.2	0075	00.1	0341.4	00.0	0159.2	0040	00.1	DEQ
60113	0772.3	00.1	0730.5	0200	00.2	0622.2	00.0	1121.2	0220	00.1	0250.1	00.0	0166.9	0175	00.1	HTS
60191	0411.9	00.2	0714.5	0035	00.3	0430.3	00.2	0651.9	0050	00.2	0277.1	00.0	0126.7	0040	00.1	DEQ
60191	0655.3	00.2	1184.9	0210	00.4	0523.2	00.2	0537.9	0230	00.3	0271.1	00.0	0137.1	0240	00.1	HTS
60210	0552.8	00.1	0411.8	0065	00.2	0467.0	00.0	0942.1	0070	00.1	0313.8	00.0	0079.2	0045	00.1	DEQ
60210	0676.4	00.2	0395.9	0070	00.2	0508.3	00.0	0721.6	0060	00.1	0448.3	00.0	0072.5	0050	00.0	HTS
60218	0755.1	00.2	2427.8	0065	00.2	0703.0	00.0	1860.0	0098	00.1	0295.4	00.0	0159.2	0061	00.1	DEQ
60218	0862.3	00.2	1981.5	0110	00.2	0781.3	00.0	1344.2	0120	00.1	0349.1	00.0	0127.3	0070	00.0	HTS
60254	0552.8	00.1	1317.3	0075	00.2	0525.3	00.1	0747.0	0075	00.1	0295.4	00.0	0094.2	0055	00.1	DEQ
60254	0583.3	00.1	1519.1	0065	00.2	0508.3	00.1	0772.7	0080	00.1	0292.3	00.0	0138.2	0060	00.0	HTS
60417	0694.0	00.1	0760.0	0040	00.1	0599.1	00.0	1417.6	0035	00.0	0287.0	00.0	0148.6	0010	00.0	HTS
60504	0894.1	00.2	0322.7	0000	00.1	0496.4	00.1	0425.4	0000	00.0	0312.8	00.0	0170.0	0000	00.0	HTS
60505	0593.0	00.1	0684.8	0010	00.0	0473.6	00.1	1376.4	0020	00.0	0308.4	00.0	0121.9	0000	00.0	HTS
60693	0631.0	00.2	2087.1	0040	00.2	1013.4	00.1	0902.9	0080	00.1	0646.3	00.0	0119.8	0050	00.0	HTS
64050	0543.0	00.2	0611.9	0060	00.2	0454.8	00.1	0742.0	0050	00.1	0274.0	00.0	0089.2	0035	00.1	DEQ
64050	0637.2	00.1	0813.1	0160	00.1	0490.2	00.0	1011.0	0200	00.1	0280.1	00.0	0086.7	0170	00.1	HTS
66002	0353.2	00.0	0182.9	0030	00.1	0317.2	00.0	0164.7	0020	00.1	0089.1	00.0	0021.5	0020	00.1	DEQ
66002	0362.4	00.0	1802.3	0035	00.1	0323.2	00.0	1449.9	0030	00.0	0106.4	00.0	0173.0	0010	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=29 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50113	0151.4	00.0	1644.9	0030	00.1	0185.1	00.0	0777.0	0030	00.1	0292.4	00.0	0099.2	0040	00.1	DEQ
50113	0139.1	00.0	1730.0	0110	00.1	0130.1	00.0	0660.3	0150	00.1	0124.1	00.0	0144.3	0150	00.1	MTS
50140	0105.5	00.0	0566.9	0025	00.1	0130.0	00.0	0261.8	0040	00.1	0215.8	00.0	0076.7	0050	00.1	DEQ
50140	0040.0	00.0	0504.1	0150	00.1	0070.0	00.0	0248.2	0220	00.1	0370.1	00.0	0062.3	0260	00.1	MTS
50150	0176.0	00.0	0541.9	0035	00.1	0231.1	00.0	1149.7	0050	00.1	0209.7	00.0	0289.3	0050	00.1	DEQ
50150	0124.1	00.0	0465.5	0030	00.1	0241.1	00.0	0745.5	0050	00.1	0079.0	00.0	0081.6	0030	00.1	MTS
50199	0142.2	00.0	0636.9	0030	00.1	0176.0	00.0	1247.2	0040	00.1	0117.7	00.0	0139.2	0030	00.1	DEQ
50199	0118.1	00.0	0610.3	0030	00.0	0178.1	00.0	1170.4	0040	00.0	0151.1	00.0	0113.0	0035	00.0	MTS
50236	0289.3	00.0	2502.8	0050	00.1	0387.4	00.0	1569.9	0070	00.1	0320.0	00.0	0156.7	0060	00.1	DEQ
50236	0304.1	00.0	1351.7	0065	00.1	0736.3	00.1	0936.3	0095	00.2	1981.8	02.2	0158.0	0205	02.4	MTS
50285	0157.6	00.2	0827.0	0025	00.2	0755.1	00.1	0807.0	0060	00.2	0454.8	01.2	0061.7	0045	01.4	DEQ
50285	0247.2	00.2	0876.5	0040	00.2	0871.4	00.2	0823.1	0080	00.2	0614.4	01.4	0085.5	0070	01.4	MTS
50298	0046.3	00.2	0821.7	0080	00.3	1181.6	00.2	0721.5	0110	00.3	1542.6	01.5	0115.0	0150	01.6	MTS
50434	1055.0	00.1	0701.8	0040	00.2	0794.9	00.1	0284.4	0040	00.2	2542.2	02.8	0155.8	0150	02.6	MTS
50442	0235.0	00.1	0683.8	0020	00.1	0397.1	00.2	0971.2	0030	00.2	0730.7	01.9	0153.4	0045	01.9	MTS
50446	0140.1	00.0	1922.3	0020	00.0	0140.1	00.0	1315.7	0030	00.0	0152.3	00.0	0175.3	0020	00.0	MTS
50458	0523.9	00.2	0375.3	0040	00.2	1747.5	01.1	1471.4	0130	01.2	1900.5	01.1	0196.2	0140	01.2	MTS
50499	0565.4	00.0	1158.0	0050	00.0	2624.8	02.6	1060.9	0180	02.6	3001.2	04.9	0141.3	0200	04.8	MTS
50538	0218.0	00.0	0673.7	0020	00.0	0315.9	00.0	1124.9	0040	00.0	0221.1	00.0	0170.0	0020	00.0	MTS
50544	0822.5	00.1	2036.4	0040	00.1	1771.1	00.4	1434.6	0120	00.4	4427.2	04.8	0155.8	0360	04.6	MTS
50547	0355.7	00.0	0432.6	0040	00.0	0692.2	00.8	1628.7	0060	00.9	0741.1	00.7	0239.2	0040	00.6	MTS
54009	0050.1	00.0	1465.1	0010	00.0	0101.1	00.0	1313.2	0020	00.0	0179.1	00.0	0090.2	0040	00.0	DEQ
54009	0028.1	00.0	1065.1	0020	00.0	0052.2	00.0	0785.2	0020	00.0	0043.2	00.0	0148.0	0015	00.0	MTS
54022	0805.1	00.1	1354.8	0060	00.1	1280.0	00.3	1124.7	0100	00.3	1126.8	00.1	0536.9	0100	00.1	DEQ
54022	0940.4	00.1	1169.4	0070	00.2	1288.5	00.2	1128.0	0100	00.3	1171.5	00.1	0509.8	0100	00.1	MTS
54027	0609.1	00.1	0682.0	0045	00.1	0633.6	00.1	0269.3	0050	00.1	1227.9	02.2	0064.2	0050	01.9	DEQ
54027	0556.2	00.1	0637.6	0070	00.2	1030.4	00.1	0820.5	0095	00.2	1129.4	02.2	0056.2	0095	02.3	MTS
56024	0559.0	00.1	1805.0	0040	00.2	0568.1	00.2	0994.6	0045	00.2	1101.3	02.1	0084.2	0050	02.2	DEQ
56024	0544.3	00.1	1780.4	0050	00.2	0619.4	00.4	0838.4	0050	00.5	1132.5	02.1	0083.8	0110	02.2	MTS
56038	0176.8	00.1	0859.5	0000	00.1	0430.8	00.1	0910.5	0010	00.1	0730.7	01.3	0060.1	0020	01.3	MTS
60003	0388.5	00.0	0531.9	0045	00.0	0360.9	00.0	0111.7	0060	00.0	0189.3	00.0	0039.1	0040	00.0	DEQ
60003	0424.3	00.0	0375.9	0040	00.0	0511.3	00.0	0127.6	0070	00.0	0481.3	00.0	0091.1	0060	00.0	MTS
60026	0424.1	00.0	0406.8	0050	00.1	0482.4	00.0	0349.3	0075	00.1	0528.3	00.0	0104.2	0060	00.1	DEQ
60026	0385.2	00.0	0404.8	0185	00.1	0445.2	00.0	0259.5	0270	00.1	0532.2	00.0	0109.2	0310	00.1	MTS
60029	0254.2	00.0	0590.9	0035	00.0	0289.3	00.0	0344.3	0050	00.0	0504.6	00.0	0149.2	0045	00.0	DEQ
60029	0457.3	00.0	0585.2	0030	00.0	0364.3	00.0	0378.3	0050	00.0	0358.3	00.0	0156.8	0030	00.0	MTS
60036	0347.5	00.0	0544.4	0045	00.0	0418.0	00.0	0190.7	0070	00.0	0399.6	00.0	0126.7	0055	00.0	DEQ
60036	0490.2	00.0	0577.7	0280	00.1	0478.2	00.0	0166.9	0260	00.1	0418.2	00.0	0151.8	0230	00.1	MTS
60180	0264.8	00.0	0526.9	0050	00.0	0277.1	00.0	0631.9	0060	00.0	0246.4	00.0	0266.8	0050	00.0	DEQ
60160	0307.3	00.0	0410.0	0040	00.0	0367.3	00.0	0616.9	0060	00.0	0349.3	00.0	0205.5	0050	00.0	MTS
60217	0145.3	00.0	0404.3	0030	00.1	0197.4	00.0	0224.2	0045	00.1	0197.4	00.0	0464.4	0050	00.1	DEQ
60217	0178.1	00.0	0383.4	0075	00.0	0250.1	00.0	0233.7	0075	00.0	0265.1	00.0	0337.5	0075	00.0	MTS
60225	0399.6	00.0	0546.9	0060	00.1	0522.2	00.0	0131.7	0090	00.1	0305.9	00.0	0196.7	0080	00.1	DEQ
60225	0308.3	00.0	0395.9	0015	00.0	0694.4	00.0	0135.7	0030	00.0	0517.3	00.0	0140.6	0015	00.0	MTS
60294	0378.2	00.0	0421.8	0050	00.1	0540.6	00.0	0126.7	0070	00.1	0595.7	00.0	0081.7	0060	00.1	DEQ
60294	0370.1	00.0	0375.3	0060	00.0	0586.2	00.0	0098.3	0105	00.0	1405.5	00.0	0050.6	0110	00.0	MTS
60336	0307.7	00.0	0359.3	0050	00.1	0301.6	00.0	0119.2	0055	00.1	0283.2	00.0	0141.7	0040	00.1	DEQ
60336	0221.1	00.0	0380.0	0030	00.0	0254.7	00.0	0134.1	0045	00.0	0267.0	00.0	0170.0	0042	00.0	MTS
60441	0419.9	00.0	0396.8	0030	00.0	0615.7	00.0	0189.1	0060	00.0	0603.5	00.0	0086.4	0060	00.0	MTS
60448	0260.8	00.0	0482.7	0020	00.0	0239.4	00.0	0251.1	0020	00.0	0172.1	00.0	0435.0	0020	00.0	MTS
60461	0481.1	00.0	0435.0	0030	00.0	0415.9	00.0	0315.6	0040	00.0	0419.9	00.0	0095.9	0030	00.0	MTS
60568	0456.6	00.0	1686.0	0075	00.1	3519.0	02.0	1672.2	0300	02.0	7747.0	07.4	0081.6	0550	07.5	MTS
60644	0290.0	00.0	0616.9	0040	00.0	0335.9	00.0	0575.6	0050	00.0	0542.1	00.0	0151.0	0040	00.0	MTS
60714	0415.5	00.0	0400.9	0040	00.0	0369.6	00.0	0185.0	0040	00.0	0391.0	00.0	0092.8	0030	00.0	MTS
64005	0097.4	00.0	0449.3	0010	00.1	0183.2	00.0	0209.2	0010	00.1	0146.4	00.0	0226.7	0010	00.1	DEQ
64005	0214.3	00.0	0369.6	0020	00.0	0256.3	00.0	0202.0	0035	00.0	0214.3	00.0	0199.5	0030	00.0	MTS
64045	0418.0	00.0	0519.4	0040	00.1	0565.1	00.0	0251.8	0080	00.1	0801.0	00.0	0171.7	0100	00.1	DEQ
64045	0529.3	00.0	0424.6	0065	00.1	0598.3	00.0	0239.6	0085	00.1	0721.4	00.0	0210.4	0105	00.1	MTS
64047	0568.1	00.1	1795.0	0050	00.1	0650.5	00.0	0864.5	0080	00.1	0825.5	00.0	0069.2	0100	00.0	DEQ
64047	0418.3	00.0	1690.3	0050	00.1	0391.3	00.0	0672.9	0060	00.0	0700.4	00.0	0057.0	0060	00.0	MTS
66040	1781.2	00.0	1358.9	0140	00.0	0995.0	00.0	0241.6	0090	00.0	0542.3	00.0	0079.2	0060	00.0	MTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=30 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50072	0546.7	00.0	0924.6	0040	00.1	0405.8	00.0	0719.5	0040	00.1	0326.1	00.0	0126.7	0040	00.1	DEQ
50072	0541.3	00.0	0872.5	0060	00.1	0357.3	00.0	0638.8	0050	00.1	0322.3	00.0	0115.4	0050	00.1	HTS
50160	0972.6	00.4	0244.2	0065	00.4	0822.5	00.1	0176.7	0065	00.1	9989.7	09.9	0036.6	1750	10.0	DEQ
50160	0202.1	00.1	0178.2	0035	00.2	2101.8	02.2	0137.1	0110	02.2	5068.3	07.5	0074.4	0350	07.8	HTS
50181	0552.8	00.1	0656.9	0055	00.1	0608.0	00.0	0879.6	0075	00.1	8980.1	03.8	0029.1	0560	03.8	DEQ
50181	0544.3	00.1	0677.9	0050	00.1	0544.3	00.0	0789.7	0060	00.1	9992.8	04.3	0060.4	0740	03.8	HTS
50198	0540.6	00.1	0967.1	0045	00.1	0362.9	00.0	0594.4	0040	00.1	0286.3	00.0	0124.2	0045	00.1	DEQ
50198	0574.3	00.0	0758.1	0055	00.0	0307.3	00.0	0646.3	0055	00.0	0262.3	00.0	0104.1	0050	00.0	HTS
50207	1058.4	00.4	1197.2	0050	00.5	1168.7	00.2	0792.0	0125	00.3	1144.2	00.1	0094.2	0135	00.2	DEQ
50207	0871.3	00.2	1254.9	0100	00.3	0898.3	00.1	1153.5	0110	00.1	0949.4	00.1	0170.9	0140	00.1	HTS
50226	0534.4	00.1	0649.4	0050	00.1	0584.5	00.0	0124.2	0120	00.1	0468.5	00.0	0091.7	0050	00.1	DEQ
50226	0910.4	00.0	0530.5	0070	00.1	1675.6	00.0	0112.7	0180	00.0	0634.2	00.0	0076.8	0080	00.0	HTS
50291	2293.2	02.3	0584.4	0175	02.2	3072.4	02.0	0724.5	0250	02.3	5021.6	06.0	0054.2	0380	06.2	DEQ
50291	2362.6	01.1	0683.3	0170	01.3	2515.3	01.1	0764.4	0230	01.3	4418.6	05.6	0086.4	0400	06.5	HTS
50304	0456.6	00.1	0423.0	0050	00.1	0340.4	00.0	0475.5	0090	00.1	8196.8	05.9	0029.1	0480	06.4	HTS
50312	1814.8	00.1	0356.2	0100	00.1	1181.6	00.1	0332.3	0080	00.1	0774.8	00.0	0076.8	0050	00.1	HTS
50430	0615.7	00.0	0451.7	0060	00.1	1059.2	00.0	0112.7	0100	00.1	0352.6	00.0	0060.1	0050	00.1	HTS
50475	0657.2	00.1	1143.4	0060	00.1	0507.3	00.0	0997.8	0060	00.1	0394.1	00.0	0066.1	0040	00.0	HTS
50495	0178.3	00.0	1580.9	0010	00.0	0169.1	00.0	0504.2	0020	00.0	0930.8	01.8	0031.5	0060	01.9	HTS
54006	0410.2	00.0	2483.8	0040	00.0	0485.2	00.0	1751.5	0050	00.0	0296.2	00.0	0110.1	0030	00.0	DEQ
54006	0410.6	00.0	2504.5	0050	00.0	0413.6	00.0	1504.9	0050	00.0	0293.1	00.0	0150.5	0040	00.0	HTS
54007	0410.2	00.0	0670.5	0030	00.0	0380.2	00.0	0224.7	0030	00.0	0266.2	00.0	0142.5	0030	00.0	DEQ
54007	0434.7	00.0	0725.2	0040	00.1	0320.2	00.0	0233.0	0040	00.1	0278.1	00.0	0123.0	0040	00.1	HTS
54008	0224.2	00.0	0909.7	0030	00.1	0257.2	00.0	1026.7	0040	00.1	0179.1	00.0	0102.6	0035	00.1	DEQ
54008	0238.9	00.0	0645.2	0020	00.1	0172.7	00.0	0822.7	0030	00.1	0145.6	00.0	0070.5	0040	00.1	HTS
54010	0242.2	00.1	1774.0	0025	00.1	0242.2	00.0	0612.5	0030	00.0	0230.2	00.0	0085.2	0020	00.0	DEQ
54010	0284.1	00.0	1689.8	0010	00.0	0245.0	00.0	0577.8	0020	00.0	0248.0	00.0	0100.5	0015	00.0	HTS
60041	0609.1	00.0	0794.5	0025	00.0	0673.4	00.0	0802.0	0025	00.0	0557.0	00.0	0476.9	0030	00.0	DEQ
60041	0442.2	00.0	0790.5	0080	00.0	0412.2	00.0	0810.5	0090	00.0	0283.1	00.0	0464.7	0080	00.0	HTS
60089	0399.6	00.0	0847.0	0050	00.0	0396.6	00.0	0576.9	0060	00.0	0316.9	00.0	0181.7	0050	00.0	DEQ
60089	0472.2	00.0	0640.3	0250	00.1	0541.2	00.0	0527.6	0330	00.2	0400.2	00.0	0124.3	0340	00.2	HTS
60125	0721.4	00.0	0942.1	0080	00.1	0678.5	00.0	0469.4	0090	00.1	0467.0	00.0	0081.7	0070	00.1	DEQ
60125	0694.3	00.0	0645.7	0150	00.1	0877.3	00.0	0332.2	0270	00.1	0517.2	00.0	0081.7	0250	00.1	HTS
60163	0347.5	00.1	0664.5	0050	00.1	0326.1	00.0	0699.5	0050	00.1	0249.5	00.0	0644.4	0050	00.1	DEQ
60163	0373.1	00.0	0803.1	0170	00.1	0358.1	00.0	0687.9	0240	00.1	0271.1	00.0	0562.6	0230	00.1	HTS
60202	0647.8	00.0	0827.0	0080	00.1	0653.5	00.0	0672.0	0100	00.1	0513.0	00.0	0599.4	0095	00.1	DEQ
60202	0925.4	00.0	0716.5	0075	00.1	0745.3	00.0	0610.3	0075	00.1	0631.2	00.0	0578.9	0075	00.1	HTS
60208	0433.3	00.0	0729.5	0055	00.1	0411.9	00.0	0694.5	0070	00.1	2259.5	01.6	0159.2	0160	01.3	DEQ
60208	0451.2	00.0	0680.3	0050	00.1	0385.2	00.0	0537.9	0050	00.0	1651.6	00.7	0125.1	0150	01.1	HTS
60290	0586.5	00.1	1209.7	0050	00.1	0506.9	00.0	0919.6	0040	00.1	1273.1	02.1	0031.6	0270	05.2	DEQ
60290	0565.2	00.0	1136.9	0080	00.1	0436.2	00.0	0578.2	0080	00.1	0343.1	00.2	0062.5	0060	00.1	HTS
60306	0571.2	00.2	1927.6	0070	00.3	0577.3	00.1	1004.6	0080	00.1	0522.2	00.0	0109.2	0080	00.1	DEQ
60306	0682.4	00.1	2247.5	0065	00.2	0565.3	00.0	1342.4	0075	00.0	0256.3	00.0	0078.2	0040	00.4	HTS
60383	1006.1	00.0	1614.2	0070	00.1	0914.3	00.0	0903.2	0090	00.0	9992.8	10.4	0036.9	1520	08.2	HTS
60430	0465.8	00.1	2376.0	0050	00.1	0441.3	00.0	0960.2	0060	00.0	0441.3	00.0	0119.8	0050	00.0	HTS
60435	0620.5	00.0	1014.8	0010	00.0	0635.8	00.0	0422.8	0040	00.0	0706.2	00.0	0151.0	0060	00.0	HTS
60539	0721.5	00.0	0944.5	0060	00.0	0544.0	00.0	0442.2	0050	00.0	0412.4	00.0	0080.6	0040	00.0	HTS
60576	0640.3	00.0	0902.9	0060	00.0	0618.7	00.0	0492.3	0060	00.0	0441.3	00.0	0368.1	0060	00.0	HTS
60577	0946.1	00.0	1590.5	0050	00.0	0686.0	00.0	1241.9	0080	00.0	0404.6	00.2	0072.1	0040	00.2	HTS
60624	0430.8	00.0	0599.9	0040	00.0	0473.6	00.0	0405.8	0050	00.0	0363.5	00.0	0134.0	0040	00.0	HTS
60662	0715.4	00.0	1216.2	0070	00.0	0742.9	00.0	0874.1	0090	00.0	0871.4	00.0	0388.8	0110	00.0	HTS
64022	0504.9	00.0	2307.7	0040	00.1	0474.2	00.0	1654.9	0050	00.0	0422.2	00.0	0126.7	0045	00.0	DEQ
64022	0373.1	00.1	1737.7	0050	00.1	0364.1	00.0	1066.2	0070	00.1	0361.1	00.0	0131.4	0060	00.1	HTS
66003	0085.4	00.0	0093.2	0060	00.0	0072.8	00.0	0041.4	0055	00.0	0565.1	07.7	0004.3	0340	07.0	DEQ
66003	0069.6	00.1	0089.8	0040	00.1	0609.3	00.0	0029.3	0040	00.1	5208.2	07.1	0007.6	0100	00.1	HTS
66013	2049.1	00.0	1232.2	0220	00.0	1635.4	00.0	0972.1	0190	00.0	9989.7	11.1	0024.1	2000	10.0	DEQ
66013	1360.5	00.0	1016.0	0100	00.1	1102.4	00.0	0833.1	0120	00.1	9996.0	10.7	0028.7	1020	10.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=31   MODEL YR(S)=1975,1976

MAKE=FORD MERC   MODEL=TORINO MONTEGO COUGAR

EPA NO	---HI (LAB)--- HC	CO	NOX	HI (GAR) HC	CO	---LO (LAB)--- HC	CO	NOX	LO (GAR) HC	CO	--IDLE (LAB)-- HC	CO	NOX	IDLE(GAR) HC	CO	LAB
50015	0568.1	00.1	0882.1	0050	00.1	0439.5	00.1	0441.8	0050	00.1	0834.7	00.4	0104.2	0070	00.5	DEQ
50015	0556.3	00.1	0848.1	0050	00.2	0427.3	00.1	0456.2	0050	00.1	0886.4	00.5	0110.6	0090	00.6	HTS
50019	0414.9	00.1	0952.1	0040	00.1	0577.3	00.1	0454.4	0070	00.1	0923.6	00.9	0106.7	0090	00.9	DEQ
50019	0502.3	00.1	0709.4	0040	00.1	0571.3	00.1	0373.4	0030	00.1	1000.4	00.7	0093.5	0050	00.7	HTS
50031	0439.5	00.1	0934.6	0040	00.1	0513.0	00.1	0569.4	0050	00.1	0601.9	00.2	0216.7	0060	00.1	DEQ
50031	0394.3	00.1	0826.2	0030	00.1	0454.3	00.1	0504.9	0030	00.1	0577.3	00.0	0173.8	0020	00.1	HTS
50124	0574.3	00.1	0822.0	0055	00.2	0745.9	00.1	0669.5	0070	00.1	1147.3	00.5	0096.7	0120	00.6	DEQ
50124	0658.4	00.1	0745.9	0060	00.2	0706.4	00.1	0570.6	0070	00.1	1237.5	00.4	0076.5	0130	00.4	HTS
50127	0341.4	00.1	0764.5	0045	00.1	0286.3	00.1	0489.4	0045	00.1	0577.3	00.6	0146.7	0070	00.6	DEQ
50127	0376.3	00.1	0809.2	0045	00.1	0358.3	00.1	0497.6	0045	00.1	0751.4	00.5	0125.2	0075	00.6	HTS
50155	0344.5	00.3	0744.5	0040	00.4	0270.9	00.4	0144.2	0040	00.4	0559.0	01.0	0081.7	0060	01.3	DEQ
50155	0514.2	00.2	0634.4	0050	00.2	0400.2	00.2	0149.2	0050	00.2	0691.3	00.5	0096.1	0080	00.5	HTS
50168	0957.3	00.3	2305.3	0070	00.3	1640.6	00.5	0629.4	0125	00.7	9989.7	07.5	0029.1	0410	07.5	DEQ
50168	1204.5	00.5	2384.6	0080	00.5	1654.6	00.6	0656.0	0110	00.7	9992.8	09.6	0062.8	0470	09.8	HTS
50177	0266.3	00.7	1044.6	0030	00.7	0203.5	00.5	0246.7	0030	00.6	0592.7	01.3	0091.7	0060	01.3	DEQ
50177	0328.3	00.1	0512.6	0030	00.2	0235.3	00.1	0376.4	0040	00.2	0547.3	00.6	0143.0	0060	00.6	HTS
50179	0439.5	00.2	0667.0	0045	00.2	0491.5	00.4	0346.9	0060	00.4	1073.7	02.6	0064.2	0060	03.0	DEQ
50179	0445.2	00.1	0610.3	0065	00.1	0409.2	00.1	0489.6	0060	00.1	0331.1	00.6	0064.7	0060	00.7	HTS
50180	0715.2	01.1	0884.6	0060	01.1	0635.6	00.7	0334.3	0070	00.7	0653.9	00.6	0121.7	0070	00.7	DEQ
50180	0634.2	00.4	0615.5	0075	00.4	0739.3	00.1	0383.4	0090	00.2	0706.3	00.2	0096.1	0090	00.2	HTS
50232	1377.1	00.8	0234.2	0085	00.9	2432.7	01.1	0121.7	0170	01.2	5261.6	02.9	0071.7	0560	04.6	DEQ
50232	0373.1	00.1	0279.8	0060	00.1	0640.2	00.1	0107.9	0100	00.1	1012.4	00.1	0086.4	0150	00.1	HTS
50311	0181.3	00.2	0664.2	0040	00.2	0297.6	00.2	0227.3	0050	00.3	0909.4	01.4	0062.5	0065	01.6	HTS
50347	0621.8	00.1	0671.3	0020	00.2	0557.6	00.1	0346.6	0030	00.1	1102.1	01.0	0098.3	0060	01.0	HTS
50369	0718.4	00.4	0573.2	0050	00.4	2373.9	00.4	0233.5	0150	00.4	2352.5	01.7	0078.2	0150	02.0	HTS
50372	0721.5	00.1	1080.3	0075	00.1	1810.9	00.1	0675.1	0200	00.2	1177.4	00.9	0119.4	0125	00.6	HTS
50439	0794.9	00.1	1830.1	0070	00.1	0706.2	00.1	0796.4	0060	00.1	0794.9	00.0	0168.0	0080	00.0	HTS
50457	0475.0	00.1	0893.3	0050	00.2	0462.7	00.1	0446.9	0050	00.1	0683.0	00.2	0100.7	0100	00.1	HTS
50497	0704.4	00.2	1841.2	0050	00.2	0704.4	00.3	0554.3	0050	00.3	0955.2	00.8	0110.3	0075	01.0	HTS
50507	0461.1	00.1	0895.7	0040	00.1	0441.3	00.1	0735.8	0040	00.1	0783.9	01.5	0081.6	0050	01.6	HTS
54004	0656.3	00.2	1014.3	0050	00.2	0920.4	00.1	0406.5	0040	00.1	1016.4	00.0	0125.0	0040	00.1	DEQ
54004	0513.0	00.1	0680.2	0040	00.2	0263.0	00.1	0280.4	0025	00.1	0717.7	00.1	0105.5	0065	00.1	HTS
54039	0323.0	00.1	1104.7	0030	00.1	0258.5	00.3	0644.4	0030	00.4	0378.2	01.5	0066.7	0040	01.3	DEQ
54039	0499.2	00.1	1206.9	0120	00.2	0406.2	00.3	0622.8	0130	00.6	0661.3	02.2	0054.1	0140	02.8	HTS
56018	0930.8	00.1	1054.9	0070	00.1	1013.5	00.1	0544.4	0070	00.1	4361.9	05.8	0059.2	0280	05.5	DEQ
56018	0715.4	00.3	1291.1	0080	00.4	0540.4	00.1	0497.6	0080	00.2	6684.3	05.6	0044.8	0290	05.0	HTS
56028	0560.1	00.1	2050.1	0060	00.2	0899.1	00.0	0616.9	0080	00.1	1508.8	00.2	0119.2	0135	00.3	DEQ
56028	0892.3	00.2	2511.5	0160	00.4	1117.4	00.1	0642.8	0210	00.3	2819.3	01.2	0111.7	0380	01.7	HTS
56035	0485.4	00.1	0507.1	0050	00.1	1079.8	00.1	0229.2	0090	00.1	4252.0	00.1	0109.2	0400	00.1	DEQ
56035	0394.1	00.3	0532.0	0045	00.4	0684.8	00.2	0170.4	0060	00.2	2358.6	00.2	0124.3	0300	00.2	HTS
60019	0390.4	00.0	0602.0	0035	00.0	0326.1	00.0	0722.0	0040	00.0	0320.0	00.0	0484.4	0040	00.0	DEQ
60019	0367.1	00.0	0505.0	0150	00.1	0268.1	00.0	0547.6	0165	00.1	0301.1	00.0	0352.2	0180	00.1	HTS
60038	0286.3	00.0	0509.4	0035	00.0	0277.1	00.0	0682.0	0045	00.0	0277.1	00.0	0201.7	0050	00.0	DEQ
60038	0247.1	00.0	0517.6	0150	00.1	0244.1	00.0	0700.4	0130	00.1	0274.1	00.0	0214.5	0200	00.1	HTS
60062	0718.3	00.4	2162.7	0060	00.4	0693.6	00.4	0669.5	0050	00.4	0776.5	01.8	0049.2	0050	01.7	DEQ
60062	0709.4	00.4	2206.4	0060	00.4	0646.4	00.2	0607.1	0060	00.3	6974.1	07.6	0020.5	0060	07.2	HTS
60131	0745.9	00.1	0934.6	0060	00.1	0905.2	00.1	1497.4	0090	00.1	2552.6	02.3	0176.7	0310	03.2	DEQ
60131	0514.2	00.0	0671.0	0045	00.0	0691.3	00.0	1899.5	0060	00.0	1120.4	00.0	0296.5	0080	00.1	HTS
60207	0568.1	00.5	2317.8	0065	00.5	0559.0	00.4	0734.5	0070	00.4	0706.0	01.3	0069.2	0075	01.3	DEQ
60207	0178.3	00.3	2438.1	0050	00.1	0157.2	00.4	0609.8	0050	00.3	0244.3	01.3	0074.9	0070	01.5	HTS
60297	0526.4	00.0	2502.8	0060	00.1	0877.6	00.2	1357.3	0080	00.1	7770.6	06.6	0086.7	0350	04.8	DEQ
60297	0652.4	00.0	2080.1	0060	00.1	0928.4	00.0	1029.4	0100	00.1	7024.1	05.5	0092.8	0450	05.2	HTS
60339	0185.1	00.0	1980.1	0040	00.1	0228.0	00.0	1054.6	0040	00.1	0347.5	00.0	0141.7	0055	00.1	DEQ
60339	0161.3	00.0	1607.7	0060	00.0	0257.8	00.0	0969.7	0070	00.0	0361.8	00.0	0112.7	0070	00.0	HTS
60340	0359.8	00.0	0376.6	0040	00.1	1033.9	00.0	0271.8	0095	00.1	9989.7	07.5	0026.6	0700	07.4	DEQ
60340	0464.5	00.0	0383.9	0050	00.0	1238.6	00.0	0252.9	0100	00.0	9992.8	[illegible]	0039.4	0960	07.8	HTS
60382	0993.6	00.1	1264.2	0070	00.1	0865.3	00.3	0633.9	0060	00.4	0819.4	01.5	0085.5	0050	01.4	HTS
60496	0198.2	00.0	0430.0	0000	00.0	[illegible]	00.0	0364.5	0010	00.0	0277.8	00.0	0087.9	0010	00.0	HTS
60710	0473.6	00.0	0595.0	0040	00.0	0553.2	00.0	0573.2	0060	00.0	5257.5	07.2	0061.2	0340	00.8	HTS
64007	0575.3	00.1	0902.1	0030	00.1	0786.8	00.4	0844.5	0040	00.2	0995.1	00.3	0186.7	0035	00.0	DEQ
64007	0532.2	00.1	0675.3	0030	00.1	0511.2	00.2	0535.3	0040	00.3	0898.3	00.3	0180.5	0060	00.3	HTS
60047	1674.1	00.0	2397.4	0140	00.0	2269.8	00.0	1783.9	0240	00.1	9992.3	09.2	0076.8	1400	08.8	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=32   MODEL YR(S)=1975,1976

MAKE=FORD   MODEL=ELITE LTD

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50079	0249.5	00.1	1304.8	0030	00.2	0436.4	00.4	0669.5	0050	00.5	2242.7	02.9	0031.6	0150	03.7	DEQ
50079	0235.3	00.1	1076.9	0020	00.0	0445.3	00.2	0697.2	0030	00.0	1048.5	02.2	0042.4	0080	02.0	HTS
50188	0497.7	00.1	0394.3	0060	00.1	0372.1	00.0	0366.8	0055	00.1	0378.2	00.0	0099.2	0070	00.1	DEQ
50188	0277.1	00.1	0390.6	0070	00.1	0235.1	00.0	0310.9	0070	00.1	0436.2	00.0	0062.3	0100	00.1	HTS
50284	0411.9	00.2	1027.1	0045	00.3	0372.1	00.1	0181.7	0040	00.1	0555.9	00.2	0136.7	0065	00.2	DEQ
50284	0386.3	00.2	1249.1	0070	00.2	0221.1	00.1	0189.1	0070	00.2	0499.4	00.2	0150.9	0090	00.3	HTS
50342	0175.2	00.0	0420.6	0050	00.0	0138.5	00.0	0334.7	0050	00.1	0199.7	00.0	0079.2	0050	00.1	HTS
50354	0369.6	00.1	0672.7	0000	00.1	0384.9	00.1	0483.4	0000	00.1	0807.2	00.0	0109.7	0050	00.0	HTS
50427	0276.1	00.0	0900.5	0020	00.1	0322.0	00.0	0487.5	0020	00.1	0655.5	00.5	0160.4	0050	00.5	HTS
50448	1076.5	00.5	2436.8	0070	00.5	2875.9	03.1	0672.7	0180	03.0	7374.0	08.8	0063.6	0320	09.0	HTS
50451	0224.1	00.1	1545.1	0025	00.1	0325.1	00.1	0411.1	0025	00.1	0750.3	00.3	0117.4	0060	00.2	HTS
50494	0710.5	00.1	1034.2	0060	00.2	0961.4	00.7	0554.3	0090	00.8	1720.0	02.1	0055.4	0100	02.1	HTS
50502	0364.9	00.1	0716.7	0040	00.1	0187.4	00.1	0193.8	0020	00.1	0579.0	00.9	0081.6	0050	01.1	HTS
50528	0432.1	00.1	0922.0	0040	00.1	0416.9	00.1	0695.2	0040	00.1	0606.5	00.3	0160.4	0050	00.2	HTS
50559	0476.7	00.1	1218.7	0040	00.1	0703.1	00.1	1325.4	0060	00.1	0859.2	00.0	0672.7	0080	00.0	HTS
54015	0507.9	00.1	2502.8	0050	00.1	0636.6	00.1	2250.2	0070	00.1	1375.0	01.5	0076.7	0100	01.5	DEQ
54015	0676.4	00.2	2498.4	0045	00.3	0826.4	00.2	1925.5	0070	00.3	1924.7	01.9	0066.9	0110	02.0	HTS
54029	0547.8	00.1	2502.8	0050	00.1	0593.7	00.0	1467.3	0060	00.1	0624.4	00.5	0099.2	0060	00.5	DEQ
54029	0268.1	00.1	2166.2	0040	00.1	0532.2	00.1	0973.4	0070	00.1	0628.2	00.7	0088.8	0070	00.7	HTS
54041	0577.3	00.4	1677.4	0050	00.5	0522.2	00.9	0301.8	0050	01.0	0650.9	01.1	0066.7	0065	01.2	DEQ
54041	0637.2	00.4	1792.6	0135	00.6	0520.2	00.9	0302.1	0160	01.2	0631.2	01.1	0071.7	0170	01.4	HTS
60042	0373.1	00.0	0759.5	0050	00.0	0327.2	00.0	0772.0	0050	00.0	0357.8	00.1	0046.7	0200	00.0	DEQ
60042	0328.3	00.0	0675.3	0050	00.0	0262.3	00.0	0641.2	0050	00.0	0298.3	00.3	0044.8	0040	00.3	HTS
60118	0295.4	00.0	0451.8	0040	00.1	0323.0	00.0	0369.3	0050	00.1	0240.3	00.0	0079.2	0045	00.1	DEQ
60118	0118.2	00.0	0239.6	0020	00.0	0199.3	00.0	0195.8	0030	00.0	0748.4	00.0	0110.6	0120	00.0	HTS
60159	0396.6	00.0	1930.1	0045	00.1	0421.1	00.0	1092.2	0070	00.1	0427.2	00.0	0099.2	0050	00.1	DEQ
60159	0433.3	00.0	1764.6	0045	00.0	0514.3	00.0	1193.3	0070	00.0	0634.4	00.0	0094.4	0075	00.0	HTS
60168	0292.4	00.0	2322.8	0040	00.1	0375.1	00.0	1822.5	0060	00.1	2906.0	04.5	0244.2	0260	04.4	DEQ
60168	0187.1	00.0	1559.6	0180	00.1	0277.1	00.0	1073.7	0250	00.1	3758.9	01.6	0094.2	0500	02.0	HTS
60170	0509.9	00.6	2062.6	0050	00.6	0543.6	00.4	0789.5	0055	00.5	0537.5	00.1	0164.2	0065	00.2	DEQ
60170	0466.2	00.2	2511.5	0210	01.5	0493.2	00.1	0873.3	0250	00.3	0835.3	00.0	0126.8	0300	00.2	HTS
60175	0203.5	00.0	0614.4	0040	00.0	0194.3	00.0	0376.8	0040	00.0	0139.2	00.0	0071.7	0040	00.0	DEQ
60175	0250.3	00.0	0592.5	0030	00.0	0262.3	00.0	0378.3	0040	00.0	0187.3	00.0	0069.2	0035	00.0	HTS
60252	0258.5	00.0	0446.8	0045	00.1	0313.8	00.0	0446.8	0060	00.1	0264.8	00.0	0251.8	0060	00.1	DEQ
60252	0241.1	00.0	0313.4	0050	00.1	0304.1	00.0	0298.9	0070	00.1	0457.2	00.0	0137.1	0100	00.1	HTS
60261	0555.9	00.1	0767.0	0055	00.1	0488.5	00.0	0296.8	0060	00.1	0617.2	00.2	0144.2	0075	00.2	DEQ
60261	0688.4	00.1	0775.1	0080	00.1	0517.3	00.0	0325.4	0070	00.0	0577.3	00.1	0143.0	0060	01.0	HTS
60304	0948.1	00.4	1014.6	0090	00.4	0865.4	00.3	0456.9	0085	00.4	2972.5	04.7	0074.2	0225	04.6	DEQ
60304	0904.4	00.2	0847.4	0080	00.2	1288.5	00.1	0413.1	0120	00.1	5864.6	01.6	0090.3	0700	01.9	HTS
60340	0286.3	00.0	0519.4	0035	00.1	0215.8	00.0	0656.9	0040	00.1	0295.4	00.0	0079.2	0045	00.1	DEQ
60340	0182.9	00.0	0403.3	0050	00.0	0170.7	00.0	0524.7	0055	00.0	0323.7	00.0	0078.2	0060	00.0	HTS
60442	0204.4	00.0	0393.6	0000	00.0	0351.2	00.0	0498.0	0020	00.0	0348.2	00.0	0175.3	0030	00.0	HTS
60458	0274.7	00.0	0631.4	0040	00.0	0161.5	00.0	0252.9	0030	00.0	0170.7	00.2	0056.4	0030	00.2	HTS
60467	0296.2	00.0	0624.2	0010	00.0	0247.2	00.0	0274.7	0010	00.0	0320.6	00.0	0075.8	0010	00.0	HTS
60470	0848.2	00.1	1671.7	0050	00.0	0756.4	00.0	0616.4	0040	00.0	0707.5	01.2	0079.2	0030	01.2	HTS
60474	0201.3	00.0	0350.0	0000	00.0	0244.1	00.0	0391.2	0020	00.0	0290.0	00.0	0185.0	0020	00.0	HTS
60484	0831.7	00.0	0544.1	0050	00.0	0632.8	00.0	0476.1	0060	00.0	2511.6	01.1	0102.5	0200	01.2	HTS
60543	0339.0	00.0	0607.2	0010	00.0	0293.1	00.0	0417.9	0020	00.0	0225.8	00.0	0228.6	0010	00.0	HTS
60571	0804.1	00.1	1636.0	0040	00.1	0706.2	00.2	1107.0	0040	00.1	0675.6	00.3	0223.8	0040	00.1	HTS
60589	0843.9	00.1	1116.7	0100	00.0	0862.3	00.1	0439.7	0100	00.2	0984.7	00.1	0146.1	0100	00.1	HTS
60685	1062.3	00.3	2397.4	0020	00.3	1527.3	00.4	1406.7	0090	00.5	4690.6	03.3	0062.5	0200	03.4	HTS
60687	1196.9	00.5	1330.3	0060	00.4	0936.9	00.3	0769.2	0060	00.2	0900.2	00.2	0220.1	0060	00.2	HTS
60700	0856.1	00.1	1233.2	0060	00.1	0837.8	00.0	0592.6	0070	00.1	0996.9	00.1	0083.0	0100	00.1	HTS
64036	0293.5	00.0	0641.9	0035	00.1	0333.3	00.0	0561.9	0045	00.1	1825.4	00.7	0096.7	0170	00.5	DEQ
64036	0178.1	00.0	0537.4	0020	00.0	0241.1	00.0	0499.8	0040	00.0	0304.1	00.0	0086.3	0040	00.0	HTS
64038	0841.9	00.0	1382.3	0075	00.1	0795.9	00.0	1064.6	0075	00.1	1031.9	00.8	0126.7	0090	00.8	DEQ
64038	0826.4	00.1	1349.6	0090	00.1	0664.4	00.1	0840.8	0080	00.1	0970.4	00.1	0762.9	0100	00.7	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=33 MODEL YR(S)=1975,1976

MAKE=FORD MERC MODEL=FORD ELITE MERC LTD

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50017	0555.9	00.1	0586.9	0050	00.2	0424.1	00.1	0519.4	0040	00.2	0712.2	01.0	0086.7	0060	01.1	DEQ
50017	0229.3	00.1	0490.3	0040	00.1	0244.3	00.2	0458.6	0040	00.1	0631.4	01.2	0076.5	0060	01.2	HTS
50029	0179.0	00.0	0559.4	0020	00.1	0595.7	00.0	0541.9	0050	00.1	0782.6	00.5	0089.2	0050	00.6	DEQ
50029	0181.3	00.1	0461.1	0020	00.1	0304.3	00.0	0344.2	0030	00.1	0472.3	00.1	0139.8	0030	00.1	HTS
50055	0142.2	00.1	0556.9	0020	00.1	0133.1	00.1	0176.7	0030	00.1	0283.2	00.1	0126.7	0030	00.1	DEQ
50055	0139.1	00.1	0572.7	0130	00.2	0148.1	00.1	0189.4	0180	00.2	0346.1	00.2	0134.3	0200	00.3	HTS
50084	0203.5	00.1	0752.0	0030	00.2	0120.8	00.1	0456.9	0030	00.2	0565.1	00.9	0089.2	0050	00.9	DEQ
50084	0184.3	00.1	0643.8	0030	00.1	0163.2	00.1	0427.5	0030	00.1	0655.4	00.9	0084.7	0060	01.0	HTS
50086	0185.1	00.1	1219.7	0020	00.1	0237.2	00.1	0426.8	0030	00.2	0752.0	01.3	0064.2	0065	01.4	DEQ
50086	0031.0	00.0	0588.6	0180	00.1	0151.1	00.1	0400.3	0200	00.2	0544.2	01.2	0074.4	0230	01.6	HTS
50115	0329.2	00.0	1434.8	0030	00.1	0313.8	00.0	0734.5	0040	00.1	0405.8	00.0	0369.3	0055	00.1	DEQ
50115	0169.2	00.1	1266.8	0030	00.1	0136.2	00.0	0373.4	0030	00.1	0298.3	00.0	0186.0	0050	00.1	HTS
50134	0289.3	00.1	1684.9	0045	00.2	0359.8	00.1	0384.3	0060	00.2	2011.3	00.2	0126.7	0250	00.2	DEQ
50134	0295.3	00.1	1702.5	0035	00.1	0394.3	00.1	0417.3	0035	00.1	1999.7	00.1	0098.4	0200	00.2	HTS
50143	0381.2	00.4	0371.8	0035	00.4	0433.3	00.5	0409.3	0045	00.4	0626.4	00.6	0116.7	0065	00.6	DEQ
50143	0469.2	00.1	0446.1	0250	00.4	0421.2	00.1	0516.1	0220	00.2	0625.2	00.3	0146.8	0230	00.4	HTS
50158	0433.3	00.5	0564.4	0040	00.6	2222.8	00.6	0344.3	0220	01.0	3182.4	02.9	0049.2	0200	03.0	DEQ
50158	0484.2	00.2	0429.2	0060	00.3	6167.8	00.3	0303.7	0700	00.4	7467.2	01.9	0059.9	0840	02.2	HTS
50185	0295.4	00.1	1304.8	0040	00.1	0215.8	00.1	0401.8	0035	00.1	0598.8	00.6	0111.7	0060	00.6	DEQ
50185	0214.1	00.1	1180.0	0110	00.4	0235.1	00.0	0313.4	0100	00.4	0544.2	00.5	0117.8	0095	00.4	HTS
50191	0200.5	00.1	0564.4	0035	00.1	0378.2	00.1	0166.7	0045	00.1	0359.8	00.0	0144.2	0045	00.1	DEQ
50191	0256.1	00.1	0446.1	0040	00.1	0250.1	00.1	0139.5	0040	00.1	0328.1	00.0	0115.4	0050	00.1	HTS
50202	0157.6	00.4	0266.8	0030	00.4	0372.1	00.5	0321.8	0045	00.6	0537.5	01.2	0076.7	0055	01.4	DEQ
50202	0091.0	00.1	0337.5	0040	00.2	0385.2	00.1	0419.6	0050	00.2	0589.2	00.8	0091.3	0070	00.9	HTS
50213	0261.7	01.0	0792.0	0035	01.0	0182.1	00.8	0286.8	0040	00.9	0418.0	01.1	0119.2	0050	01.3	DEQ
50213	0079.0	00.6	0216.8	0040	00.7	0118.1	00.4	0327.8	0050	00.6	0286.1	00.4	0117.8	0050	00.5	HTS
50276	0298.5	00.2	0581.9	0035	00.2	0218.8	00.2	0334.3	0030	00.2	0335.3	00.1	0149.2	0035	00.1	DEQ
50276	0246.6	00.2	0520.9	0050	00.3	0169.1	00.3	0220.1	0050	00.3	0429.1	00.3	0143.7	0070	00.3	HTS
50278	0114.7	00.0	0311.8	0030	00.1	0108.5	00.0	0176.7	0030	00.1	0350.6	00.5	0089.2	0040	00.6	DEQ
50278	0271.7	00.1	0371.8	0040	00.1	0158.5	00.1	0194.7	0040	00.1	0360.4	00.4	0131.6	0050	00.4	HTS
50289	0240.3	00.2	1104.7	0020	00.3	0185.1	00.2	0374.3	0020	00.3	0479.3	01.3	0066.7	0035	01.4	DEQ
50289	0257.8	00.3	1132.1	0030	00.3	0325.1	00.3	0318.0	0040	00.3	1478.3	03.0	0064.9	0220	04.5	HTS
50302	5008.3	00.1	0611.6	0640	00.1	3399.0	00.2	0817.0	0400	00.2	1666.3	01.1	0081.6	0200	01.1	HTS
50316	0465.8	00.2	1920.0	0040	00.4	0606.5	00.2	0406.3	0080	00.4	0594.3	00.0	0117.4	0080	00.1	HTS
50323	0262.5	00.2	0575.6	0015	00.2	0173.8	00.2	0160.7	0010	00.2	0170.7	00.1	0199.5	0010	00.1	HTS
50356	1370.2	04.0	0102.5	0020	03.8	3795.5	05.8	0153.4	0140	05.2	4395.2	07.6	0051.5	0120	06.8	HTS
50362	0279.2	00.1	0563.9	0000	00.1	0334.3	00.1	0158.0	0000	00.1	0450.5	00.0	0112.7	0000	00.0	HTS
50534	0706.2	00.3	1012.4	0040	00.5	0605.2	00.3	0558.6	0040	00.2	2863.5	02.1	0107.3	0260	02.2	HTS
50551	0202.7	00.1	0535.2	0025	00.1	0159.9	00.1	0394.4	0040	00.2	0438.3	00.9	0095.9	0045	01.0	HTS
54016	0275.1	00.1	1564.9	0030	00.1	0183.2	00.0	0416.8	0020	00.1	0455.9	00.3	0076.7	0040	00.7	DEQ
54016	0271.3	00.2	1262.6	0030	00.2	0175.3	00.1	0324.6	0020	00.1	0552.3	00.6	0079.4	0040	00.6	HTS
56031	0304.6	00.4	1262.2	0030	00.4	0264.8	00.3	0364.3	0030	00.4	0604.9	02.2	0064.2	0050	02.2	DEQ
56031	0373.3	00.1	1841.3	0050	00.1	0148.2	00.1	0478.1	0020	00.1	0559.3	01.0	0076.5	0050	00.3	HTS
60034	0408.8	00.0	0549.4	0030	00.0	0418.0	00.0	0386.8	0040	00.0	0476.2	00.0	0086.7	0045	00.0	DEQ
60034	0331.3	00.0	0689.9	0050	00.0	0364.3	00.0	0322.3	0050	00.0	0331.3	00.0	0069.2	0040	00.1	HTS
60061	0332.2	00.0	0739.5	0030	00.1	0301.6	00.0	0440.8	0035	00.0	0188.2	00.0	0146.7	0030	00.0	DEQ
60061	0325.1	00.0	0667.8	0160	00.0	0328.1	00.0	0284.6	0180	00.0	0739.3	00.0	0066.7	0250	00.0	HTS
60066	0822.5	00.0	0687.0	0055	00.0	0534.4	00.0	0411.8	0055	00.0	0405.8	00.0	0154.2	0040	00.0	DEQ
60066	0226.1	00.0	0617.7	0120	00.1	0214.1	00.0	0392.3	0150	00.1	0148.1	00.0	0149.3	0140	00.1	HTS
60069	0166.6	00.0	2452.8	0035	00.0	0166.8	00.0	1527.4	0040	00.0	0252.6	00.0	0169.2	0045	00.0	DEQ
60069	0157.2	00.0	2430.3	0025	00.0	0151.2	00.0	1537.0	0030	00.0	0241.3	00.0	0188.5	0035	00.0	HTS
60074	0500.7	00.1	0244.2	0040	00.2	0338.3	00.0	0266.8	0050	00.0	5571.4	07.7	0029.1	0520	06.2	DEQ
60074	0244.3	00.1	0246.9	0030	00.1	0190.3	00.0	0217.7	0030	00.0	9203.2	10.2	0018.1	0170	10.0	HTS
60092	0172.9	00.0	0429.3	0030	00.0	0188.2	00.0	0286.8	0040	00.0	0179.0	00.0	0201.8	0040	00.0	DEQ
60092	0199.1	00.0	0452.4	0160	00.1	0265.1	00.0	0247.0	0200	00.1	0238.1	00.0	0201.9	0230	00.1	HTS
60301	0408.8	00.0	0549.4	0040	00.1	0506.9	00.0	0409.3	0050	00.1	0663.1	00.9	0064.2	0060	00.8	DEQ
60301	0454.2	00.0	0477.9	0060	00.0	0676.3	00.0	0356.2	0090	00.0	0655.3	00.4	0064.9	0090	00.5	HTS
60447	0381.8	00.0	0169.8	0010	00.0	0182.9	00.0	0138.9	0000	00.0	0182.9	00.0	0114.6	0000	00.0	HTS
60604	0381.8	00.0	0738.2	0040	00.0	0427.7	00.0	0410.6	0040	00.0	0391.0	00.0	0160.7	0030	00.0	HTS
60614	0596.0	00.0	1820.4	0040	00.0	0645.0	00.0	1145.9	0060	00.0	1079.5	00.0	0104.9	0120	00.0	HTS
60619	0184.4	00.0	0456.8	0010	00.0	0169.1	00.0	0380.0	0020	00.0	0248.6	00.0	0212.9	0020	00.0	HTS
60706	0126.2	00.0	2354.5	0025	00.0	0114.0	00.0	1538.0	0020	00.0	0163.0	00.2	0081.6	0015	01.3	HTS
64024	0207.7	00.0	0541.9	0030	00.0	0232.2	00.0	0379.3	0040	00.0	0265.9	00.0	0086.7	0035	00.0	DEQ
64024	0259.3	00.0	0490.3	0030	00.0	0286.3	00.0	0317.5	0040	00.0	0367.3	00.1	0066.7	0035	00.0	HTS
66032	0295.4	00.0	0594.4	0030	00.1	0329.2	00.0	0431.8	0050	00.1	0390.4	00.0	0359.3	0075	00.1	DEQ
66032	0235.1	00.0	0565.1	0080	00.1	0253.1	00.0	0374.8	0140	00.1	0262.1	00.0	0439.9	0180	00.1	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=34 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70075	0221.9	00.0	2502.8	0035	00.0	0485.4	00.0	2502.8	0060	00.0	3952.1	04.7	0149.2	0360	04.5	DEQ
70075	0274.1	00.0	2511.5	0140	00.1	0445.2	00.0	1714.9	0180	00.1	5298.2	05.6	0194.4	0580	05.9	HTS
70144	0221.9	00.0	0516.9	0040	00.1	0424.1	00.0	0131.7	0060	00.1	3622.2	03.5	0276.8	0290	03.5	DEQ
70144	0517.3	00.0	0519.5	0050	00.0	0511.3	00.0	0098.4	0060	00.0	4675.1	04.3	0169.0	0365	04.2	HTS
70148	0270.9	00.0	0929.6	0045	00.1	0289.3	00.0	0199.2	0050	00.1	0791.8	00.2	0389.3	0110	00.5	DEQ
70148	0223.1	00.0	0846.9	0200	00.1	0181.1	00.0	0310.9	0205	00.1	0109.0	00.0	0801.0	0200	00.1	HTS
70173	2112.4	01.0	0256.8	0180	01.2	2648.6	02.4	1637.4	0215	02.5	3942.1	05.6	0179.2	0310	05.6	DEQ
70173	1024.4	00.2	0284.0	0085	00.2	2899.5	02.0	0641.4	0250	02.2	4235.3	05.4	0162.5	0330	05.0	HTS
70192	0160.6	00.0	2502.8	0045	00.1	0249.5	00.1	1527.4	0045	00.1	2648.6	03.6	0279.3	0245	03.2	DEQ
70192	0475.2	00.0	2428.2	0060	00.0	0655.3	00.0	1776.3	0050	00.0	3149.2	03.4	0279.6	0300	03.2	HTS
70215	0243.4	00.0	0436.8	0045	00.1	1711.0	01.3	2277.7	0160	01.5	3072.4	01.9	0491.5	0270	02.0	DEQ
70215	0196.1	00.0	0451.0	0050	00.0	0187.1	00.0	1829.5	0050	00.0	1225.5	00.5	0323.0	0170	00.6	HTS
70230	0264.8	00.0	0471.9	0045	00.1	0169.8	00.0	0709.5	0040	00.1	0145.3	00.0	0591.9	0035	00.1	DEQ
70230	0247.1	00.0	0291.6	0050	00.1	0307.1	00.1	0752.7	0050	00.1	0172.1	00.0	0467.9	0030	00.0	HTS
70263	0188.2	00.0	0589.4	0035	00.1	0151.4	00.0	0126.7	0035	00.1	0981.8	00.4	0151.7	0100	00.4	DEQ
70263	0305.8	00.0	0623.6	0065	00.0	0276.1	00.0	0110.3	0065	00.0	2307.3	00.8	0122.2	0280	00.7	HTS
70275	0163.7	00.0	0501.9	0040	00.1	0258.7	00.0	0101.7	0040	00.1	3302.3	03.2	0174.2	0260	03.1	DEQ
70275	0517.8	00.0	0487.5	0060	00.0	0499.4	00.0	0066.4	0070	00.0	3658.9	02.9	0203.4	0370	00.9	HTS
70293	0283.2	00.0	0539.4	0040	00.1	0304.6	00.0	0126.7	0045	00.1	0243.4	00.0	0314.3	0030	00.1	DEQ
70293	0378.8	00.0	0619.3	0050	00.0	0345.1	00.0	0151.0	0050	00.0	0296.2	00.0	0422.8	0050	00.0	HTS
70314	2311.6	00.9	0459.4	0180	00.5	3342.3	02.7	0697.0	0280	02.7	4082.0	00.9	0354.3	0360	01.3	DEQ
70314	1047.0	00.2	0279.8	0130	00.3	2735.6	01.2	0912.4	0300	01.3	0560.6	00.0	0456.4	0075	00.0	HTS
70349	0664.6	00.0	0623.6	0060	00.1	0435.2	00.0	0193.8	0050	00.1	0565.1	00.2	0026.7	0060	00.2	HTS
70353	0505.6	00.0	0329.9	0070	00.0	0413.8	00.0	0599.7	0070	00.0	0377.1	00.0	0060.1	0050	00.0	HTS
70369	0150.7	00.0	0836.1	0010	00.0	0111.0	00.0	2397.4	0010	00.0	0077.3	00.0	0506.6	0010	00.0	HTS
70374	1533.4	00.5	0363.3	0200	01.1	2512.3	02.3	0960.2	0280	02.5	5198.2	04.9	0088.8	0420	03.5	HTS
70395	0245.5	00.0	1638.2	0000	00.0	0517.8	00.0	0666.5	0020	00.0	4198.7	04.9	0138.9	0280	05.0	HTS
70403	0245.5	00.0	0575.8	0020	00.0	0273.1	00.0	0115.0	0030	00.0	0114.0	00.0	0721.5	0010	00.0	HTS
70413	0221.1	00.0	0337.1	0010	00.0	0536.2	00.8	0888.6	0050	00.8	0159.9	00.0	0893.3	0015	00.0	HTS
70424	0202.7	00.0	0654.6	0000	00.0	0263.9	00.0	0170.0	0020	00.1	0184.4	00.0	0766.8	0000	00.0	HTS
70435	0375.7	00.0	0582.9	0020	00.0	0235.0	00.0	2436.8	0020	00.0	0182.9	00.0	0551.4	0000	00.0	HTS
70443	0499.4	00.0	0929.2	0020	00.0	2041.2	00.9	0160.4	0180	01.0	4778.4	01.2	0134.1	0430	01.2	HTS
70453	0609.6	00.1	0212.9	0150	00.2	2855.3	00.6	0415.9	0350	00.6	7996.9	07.3	0067.3	0600	06.7	HTS
70507	1731.3	00.8	0405.8	0120	00.8	3415.7	01.7	0078.2	0260	01.8	0646.8	00.0	1005.1	0060	00.1	HTS
70508	1053.1	00.0	2397.4	0040	00.0	0661.6	00.0	2397.4	0040	00.0	5728.0	07.6	0117.4	0360	07.6	HTS
70519	0153.8	00.0	0614.0	0020	00.0	0340.4	00.0	0124.6	0040	00.0	1181.6	00.4	0129.4	0140	00.7	HTS
70531	0279.2	00.0	0396.8	0040	00.0	0233.3	00.0	0535.2	0020	00.0	0193.5	00.0	0212.9	0000	00.0	HTS
70569	0522.6	00.0	0403.3	0040	00.1	0458.1	00.1	0041.8	0040	00.1	3757.0	01.6	0163.1	0260	01.6	HTS
70580	0267.0	00.0	2397.4	0020	00.0	1698.6	01.1	1891.3	0120	01.0	3260.2	02.4	0487.5	0240	02.2	HTS
70581	0687.8	00.3	0272.3	0080	00.2	2686.6	00.8	0301.4	0250	00.9	4507.2	04.0	0248.1	0350	04.2	HTS
70583	0492.0	00.0	0439.7	0060	00.0	0365.6	00.0	0682.4	0050	00.0	0406.3	00.0	0141.3	0040	00.0	HTS
70611	0213.5	00.0	2436.8	0030	00.0	0213.5	00.0	2436.8	0030	00.0	2398.4	01.3	0097.6	0170	01.3	HTS
70655	0360.4	00.0	0862.0	0030	00.0	0528.7	00.0	0172.8	0060	00.0	8768.7	07.3	0078.2	0690	07.2	HTS
70663	0150.7	00.0	0349.0	0020	00.0	1802.6	01.4	0098.3	0100	01.4	2383.8	01.3	0203.4	0180	01.4	HTS
76004	0198.5	00.0	0629.4	0040	00.0	0195.4	00.0	0264.3	0010	00.0	3792.1	02.7	0469.4	0010	00.0	DEQ
76004	0241.3	00.0	0852.4	0050	00.1	0286.3	00.0	0269.6	0050	00.1	4705.1	03.5	0359.6	0340	01.0	HTS
76013	0973.6	00.3	0762.0	0110	00.3	3702.2	02.1	1932.6	0285	01.9	5671.4	04.6	0126.7	0420	04.0	DEQ
76013	1246.5	00.4	2336.6	0285	00.6	3559.0	02.1	1072.5	0460	02.4	6517.6	03.6	0073.8	0720	04.1	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=35 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=MAVERICK GRANADA COMET MONARCH

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70003	0506.2	00.3	0117.6	0040	00.2	0176.1	00.0	0179.8	0010	00.0	1556.6	00.8	0080.2	0140	00.8	DEQ
70003	0540.1	00.4	0110.5	0070	00.4	0151.6	00.0	0260.4	0045	00.1	1524.8	00.6	0033.0	0190	00.6	HTS
70004	0191.1	00.0	0421.5	0030	00.0	0140.1	00.0	0199.8	0030	00.0	0101.1	00.0	0834.9	0025	00.0	DEQ
70004	1283.9	00.0	0110.5	0020	00.1	0690.6	00.0	0030.5	0015	00.0	0374.4	00.0	0065.5	0015	00.0	HTS
70005	0176.1	00.0	0316.8	0010	00.0	0146.1	00.0	0217.2	0010	00.0	0071.1	00.0	0715.4	0010	00.0	DEQ
70005	0175.7	00.0	0367.9	0050	00.0	0139.6	00.0	0260.4	0055	00.0	0085.3	00.0	0862.7	0050	00.0	HTS
70006	0272.2	00.0	0516.1	0050	00.0	0191.1	00.0	0316.8	0040	00.0	0137.1	00.0	1250.9	0040	00.0	DEQ
70006	0251.0	00.0	0465.4	0020	00.0	0205.8	00.0	0300.4	0040	00.0	0115.5	00.0	1100.1	0045	00.0	HTS
70010	1151.4	00.9	0441.8	0115	01.0	0192.4	00.1	0099.2	0035	00.1	0664.2	00.1	0081.7	0100	00.2	DEQ
70010	1444.5	00.9	0283.4	0120	00.8	0172.3	00.0	0078.9	0030	00.1	1468.6	00.3	0100.8	0170	00.3	HTS
70025	0748.9	00.2	0204.2	0070	00.3	0427.2	00.0	2242.7	0045	00.0	3202.4	01.4	0471.9	0270	01.5	DEQ
70025	0862.3	00.4	0292.1	0140	00.5	0901.3	00.3	0895.8	0250	01.0	3219.1	01.5	0444.9	0440	01.6	HTS
70052	0261.7	00.0	0434.3	0035	00.1	0176.0	00.0	0271.8	0030	00.1	0142.2	00.0	1124.7	0030	00.1	DEQ
70052	0637.2	00.3	0329.7	0150	00.7	0214.1	00.0	0314.6	0160	00.1	0121.1	00.0	1088.7	0160	00.1	HTS
70087	3822.1	02.0	0614.4	0300	01.9	4611.8	01.8	0279.3	0360	01.7	9989.7	09.6	0046.7	0960	09.8	DEQ
70087	4298.6	01.8	0540.1	0450	02.2	5158.2	01.7	0214.5	0600	02.0	9996.0	08.8	0044.1	1450	08.6	HTS
70143	1658.9	01.1	0656.9	0110	01.3	0647.8	00.2	0116.7	0040	00.4	0166.8	00.0	0361.8	0025	00.1	DEQ
70143	3119.2	01.7	0598.2	0400	02.2	2749.3	01.1	0212.0	0470	01.5	0560.4	00.0	0084.0	0230	00.1	HTS
70164	0270.9	00.0	0351.8	0055	00.1	0240.3	00.0	0204.2	0055	00.1	0154.5	00.0	0556.9	0045	00.1	DEQ
70164	0262.1	00.0	0303.7	0040	00.0	0235.1	00.0	0142.0	0050	00.0	0139.1	00.0	0422.0	0040	00.0	HTS
70174	3822.1	01.9	0409.3	0280	02.0	3872.1	01.0	0236.7	0320	01.1	9989.7	08.4	0044.2	0780	08.0	DEQ
70174	0373.1	00.2	0110.6	0090	00.5	0364.1	00.1	0076.8	0070	00.1	9996.0	08.5	0040.6	0500	07.5	HTS
70178	0206.6	00.0	0546.9	0037	00.1	0338.3	00.0	0396.8	0055	00.1	4641.8	04.5	0096.7	0400	04.4	DEQ
70178	0508.3	00.0	0271.9	0070	00.1	0451.3	00.0	0349.7	0070	00.0	5684.7	04.4	0096.8	0460	04.2	HTS
70194	4212.0	03.2	0231.7	0345	03.2	5591.4	03.0	0114.2	0460	03.0	9989.7	10.1	0021.6	1200	10.0	DEQ
70194	3529.0	01.6	0417.2	0330	01.9	5678.0	01.6	0190.2	0550	01.9	9996.0	09.4	0043.0	1150	10.0	HTS
70201	0292.4	00.0	0496.9	0050	00.1	0267.9	00.0	0151.7	0055	00.1	0209.7	00.0	0481.9	0040	00.1	DEQ
70201	0349.1	00.0	0429.2	0070	00.0	0286.1	00.0	0134.7	0075	00.0	0220.1	00.0	0417.2	0060	00.0	HTS
70223	2244.2	00.8	2502.8	0140	00.8	1490.4	00.1	0932.1	0140	00.2	4731.8	03.6	0081.7	0390	04.1	DEQ
70223	2440.9	00.9	2049.1	0200	01.2	1771.7	00.2	0767.2	0160	00.3	5018.3	04.3	0091.3	0470	04.4	HTS
70237	2029.7	00.5	0784.5	0200	00.7	1171.8	00.1	0109.2	0080	00.2	5781.3	04.8	0056.7	0580	04.8	DEQ
70237	2529.4	00.9	0781.1	0250	01.0	1549.9	00.1	0215.3	0150	00.1	6877.4	05.1	0084.0	0700	04.9	HTS
70244	1239.2	00.5	0689.5	0120	00.5	0301.6	00.0	0556.9	0040	00.1	0240.3	00.0	0594.4	0035	00.1	DEQ
70244	1465.6	00.5	0645.1	0180	00.6	0250.1	00.0	0384.8	0050	00.0	0208.1	00.0	0432.6	0050	00.0	HTS
70261	1720.2	00.1	0446.8	0160	01.0	0384.3	00.0	0519.4	0060	00.1	5001.7	03.6	0044.2	0450	03.5	DEQ
70261	2179.8	00.1	0418.2	0150	01.1	0421.2	00.0	0368.1	0050	00.0	6117.8	04.9	0031.5	0520	05.1	HTS
70266	5301.5	01.3	0416.8	0300	01.2	6701.0	03.6	0129.2	0430	02.8	9989.7	11.1	0014.1	1450	10.0	DEQ
70266	4525.2	01.1	0333.0	0300	01.2	6524.3	03.2	0138.9	0500	03.0	9992.8	08.8	0034.5	1350	08.0	HTS
70288	2189.0	01.1	0584.4	0180	01.2	1300.5	00.5	0166.7	0170	00.3	0873.3	00.1	0191.7	0060	00.1	DEQ
70286	1876.0	01.0	0492.3	0200	01.0	1527.3	00.4	0143.7	0190	00.5	3998.8	01.5	0115.0	0400	01.5	HTS
70337	0641.9	00.8	0124.3	0060	00.8	0299.2	00.3	0049.1	0040	00.2	0109.5	00.0	0104.9	0010	00.0	HTS
70376	0369.3	00.0	2397.4	0070	00.0	0236.4	00.0	1951.0	0050	00.0	1692.5	00.5	0201.0	0180	00.6	HTS
70392	0352.6	00.0	0368.1	0020	00.0	0340.4	00.0	0208.2	0040	00.0	0288.4	00.0	0535.2	0030	00.0	HTS
70408	1496.7	00.5	0172.3	0070	00.3	0961.4	00.1	0170.0	0060	00.2	3798.9	01.8	0277.4	0050	00.1	HTS
70420	0291.4	00.0	0303.6	0000	00.0	0300.6	00.0	0134.1	0020	00.0	0303.7	00.0	0251.1	0000	00.0	HTS
70484	0569.8	00.0	0425.4	0050	00.0	0468.9	00.0	0205.8	0050	00.0	0363.2	00.0	0327.5	0040	00.0	HTS
70492	1348.8	00.6	2014.5	0110	00.7	0299.2	00.0	1953.9	0040	00.0	0859.2	00.1	0141.3	0100	00.1	HTS
70553	0372.7	00.0	0427.6	0040	00.0	0308.4	00.0	0333.0	0040	00.0	0287.0	00.0	0379.1	0040	00.0	HTS
70566	0374.0	00.0	0470.8	0040	00.0	0340.4	00.0	0265.4	0040	00.0	0355.7	00.0	0148.5	0030	00.0	HTS
70629	0404.6	00.1	0458.8	0080	00.1	0263.9	00.0	0740.6	0030	00.0	2527.6	00.7	0172.3	0200	00.6	HTS
70631	0360.4	00.0	0403.3	0045	00.0	0335.9	00.0	0117.0	0045	00.0	0412.4	00.0	0063.6	0040	00.0	HTS
70664	1508.9	00.7	1561.8	0110	00.8	0340.4	00.0	1036.6	0040	00.0	0236.4	00.0	0229.6	0020	00.0	HTS
74006	0216.9	00.0	0566.9	0025	00.1	0207.7	00.0	0361.8	0030	00.1	0155.6	00.0	0534.4	0020	00.1	DEQ
74006	0982.4	00.6	0394.6	0095	00.6	0229.3	00.0	0262.0	0025	00.0	1033.5	00.4	0167.0	0120	00.5	HTS
74014	0645.8	00.4	0476.9	0070	00.4	0201.6	00.0	0219.2	0025	00.1	1785.6	00.4	0121.7	0140	00.4	DEQ
74014	1987.7	01.3	0414.8	0165	01.2	1066.5	00.4	0088.6	0115	00.4	0616.4	00.1	0018.1	0060	00.2	HTS
76008	2254.3	00.7	0439.3	0170	00.7	1638.5	00.2	0196.7	0160	00.2	5741.4	04.4	0051.7	0490	04.1	DEQ
76008	2521.8	00.6	0419.7	0155	00.6	1600.6	00.1	0164.1	0170	00.1	7134.1	04.7	0100.8	0540	04.2	HTS
76009	0912.4	00.5	0539.4	0100	00.4	0204.6	00.0	0281.8	0030	00.1	4421.9	01.7	0094.2	0360	01.6	DEQ
76009	1975.7	00.6	0524.4	0170	00.8	0478.3	00.1	0144.6	0060	00.2	5664.7	02.9	0064.3	0440	03.0	HTS
76010	2542.3	00.6	0824.5	0220	00.6	5241.6	01.1	0499.4	0470	01.0	9989.7	11.1	0021.6	1380	10.0	DEQ
76010	1356.5	00.4	0526.8	0150	00.2	4335.3	00.7	0933.3	0400	00.4	9992.8	10.5	0025.4	0300	10.0	HTS
76021	0801.0	00.5	1404.8	0065	00.6	1355.6	00.4	1017.1	0115	00.5	5311.5	08.6	0056.7	0380	08.2	DEQ
76021	0727.3	00.5	1256.5	0160	00.6	1318.5	00.4	0943.4	0250	00.6	4878.4	07.9	0074.2	0520	08.0	HTS
76047	0859.2	00.8	1621.5	0075	01.0	0446.1	00.1	0747.9	0040	00.1	5057.4	02.3	0146.1	0420	02.6	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=36   MODEL YR(S)=1977

MAKE=FORD MERC   MODEL=T-BIRD LTD-II COUGAR

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70065	0254.2	00.0	0374.3	0040	00.0	0375.1	00.0	0159.2	0070	00.0	0497.7	00.0	0079.2	0070	00.0	DEQ
70065	0169.1	00.0	0344.6	0150	00.1	0271.1	00.0	0191.9	0270	00.1	0448.2	00.0	0086.7	0310	00.1	HTS
70069	0163.7	00.0	0411.8	0030	00.0	0172.9	00.0	0159.2	0035	00.0	1265.1	01.2	0026.6	0060	01.4	DEQ
70069	0274.1	00.0	0349.7	0180	00.1	0156.1	00.0	0131.8	0260	00.1	1723.7	01.6	0034.1	0370	02.2	HTS
70070	0194.3	00.0	2502.8	0040	00.1	0240.3	00.0	2157.7	0040	00.1	2280.9	02.2	0216.7	0180	02.1	DEQ
70070	0166.1	00.0	2511.5	0200	00.1	0165.1	00.0	1507.0	0280	00.1	2519.0	02.1	0222.0	0475	02.8	HTS
70086	0225.0	00.0	0124.2	0030	00.1	0243.4	00.0	0049.2	0040	00.1	4971.7	04.7	0021.6	0760	09.4	DEQ
70086	0217.1	00.0	0139.3	0150	00.1	0319.1	00.0	0061.6	0200	00.1	0277.1	00.3	0039.1	0225	00.3	HTS
70103	2302.4	01.4	0346.8	0195	01.6	2565.0	01.4	0156.7	0230	01.7	3512.2	02.4	0159.2	0290	02.5	DEQ
70103	2347.9	01.3	0327.8	0260	01.5	2822.1	01.5	0139.5	0350	01.6	3918.8	02.7	0330.3	1630	03.0	HTS
70155	0436.4	00.0	0767.0	0055	00.1	0653.8	00.0	0494.4	0065	00.1	6111.2	07.6	0064.2	0480	07.8	DEQ
70155	0271.3	00.0	0789.7	0030	00.0	0484.3	00.0	0300.4	0060	00.0	7184.0	07.5	0062.8	0560	07.4	HTS
70162	0562.0	00.0	0471.9	0050	00.1	0362.9	00.0	0244.2	0050	00.1	0252.6	00.0	0244.2	0040	00.1	DEQ
70162	0124.1	00.0	0484.8	0020	00.1	0148.1	00.0	0207.1	0030	00.1	0106.0	00.0	0277.1	0030	00.1	HTS
70165	4821.7	04.7	0249.3	0370	04.7	5701.4	03.2	0246.7	0440	03.2	9989.7	11.1	0019.1	1080	10.0	DEQ
70165	5078.3	04.9	0269.9	0440	05.0	6457.6	03.5	0231.3	0500	03.6	9996.0	11.1	0030.9	1220	10.0	HTS
70196	0770.4	00.5	0181.7	0080	00.6	2084.8	00.9	0176.7	0190	01.0	3522.2	01.3	0216.7	0275	01.2	DEQ
70196	0214.3	00.0	0614.7	0040	00.0	0178.3	00.0	0381.3	0040	00.0	0115.2	00.1	0145.4	0035	00.1	HTS
70200	0218.8	00.0	0549.4	0045	00.1	0313.8	00.1	0226.7	0050	00.2	1245.3	02.8	0116.7	0360	02.9	DEQ
70200	0394.3	00.0	0446.9	0060	00.0	0223.3	00.0	0267.0	0050	00.0	4695.1	02.3	0123.6	0400	02.4	HTS
70241	0151.4	00.0	0431.8	0030	00.1	0139.2	00.0	0221.7	0035	00.1	0176.0	00.0	0096.7	0065	00.1	DEQ
70241	0331.1	00.0	0363.3	0040	00.0	0217.1	00.0	0170.0	0035	00.0	0229.1	00.0	0084.0	0035	00.0	HTS
70258	0225.0	00.0	0784.5	0060	00.1	0182.1	00.0	0621.9	0050	00.1	2887.6	02.5	0441.8	0260	02.6	DEQ
70258	0220.3	00.0	0585.3	0050	00.0	0229.3	00.0	0422.8	0045	00.0	3225.7	02.2	0422.8	0280	02.3	HTS
70292	0350.6	00.0	0636.9	0040	00.1	2072.6	00.4	0199.2	0185	00.9	9989.7	09.7	0021.6	0860	09.7	DEQ
70292	0403.3	00.0	0536.8	0075	00.0	0641.5	00.0	0151.0	0080	00.1	9992.8	09.7	0034.5	0860	09.1	HTS
70327	0196.6	00.0	0487.5	0030	00.0	0120.1	00.0	0377.7	0060	00.0	0083.4	00.0	0360.9	0050	00.0	HTS
70345	0162.9	00.0	0405.8	0050	00.0	0198.2	00.0	0136.4	0050	00.1	4095.4	02.2	0034.5	1200	02.0	HTS
70393	0290.0	00.0	2436.8	0050	00.0	0262.5	00.0	0777.0	0050	00.1	8273.6	07.8	0049.1	0360	07.2	HTS
70411	0117.1	00.0	0196.6	0020	00.0	0153.8	00.0	0105.5	0030	00.0	0640.2	01.5	0036.3	0050	01.4	HTS
70417	3475.6	02.2	1621.5	0180	02.0	4175.3	01.9	1133.7	0260	02.0	5944.6	04.8	0124.3	0380	04.8	HTS
70418	0248.6	00.0	0776.8	0030	00.0	0233.3	00.0	0738.2	0030	00.0	3628.9	02.7	0318.0	0270	02.8	HTS
70419	0542.3	00.0	0797.9	0030	00.0	0995.0	00.0	0454.1	0130	00.2	5927.9	08.1	0081.6	0410	08.3	HTS
70440	0186.0	00.0	0568.3	0000	00.0	0556.3	00.0	0403.3	0050	00.0	5224.9	06.0	0073.3	0360	05.9	HTS
70488	0880.6	00.0	0780.7	0080	00.0	0709.3	00.0	0413.1	0060	00.0	5924.6	07.2	0080.6	0420	07.4	HTS
70490	0242.5	00.0	0907.7	0000	00.0	0303.7	00.0	0797.9	0020	00.0	3539.0	02.7	0449.3	0260	02.8	HTS
70500	0175.2	00.0	0351.4	0020	00.0	0193.5	00.0	0184.3	0020	00.0	0340.4	00.1	0067.3	0020	00.0	HTS
70528	0167.6	00.0	0345.1	0025	00.0	0235.0	00.0	0194.7	0050	00.0	0149.3	00.0	0260.2	0040	00.0	HTS
70549	0123.2	00.0	0430.2	0000	00.0	0150.7	00.0	0289.3	0020	00.0	0254.7	00.0	0067.3	0000	00.0	HTS
70555	0123.2	00.0	0451.7	0025	00.0	0129.3	00.0	0253.3	0025	00.0	0175.2	00.0	0122.2	0030	00.0	HTS
70560	0257.8	00.0	0315.6	0020	00.0	0224.1	00.0	0167.6	0020	00.0	0172.1	00.0	0122.2	0010	00.0	HTS
70578	0114.0	00.0	0251.1	0030	00.0	0150.7	00.0	0143.7	0040	00.0	0098.7	00.0	0134.1	0035	00.0	HTS
70587	0462.7	00.0	0611.6	0040	00.0	0517.8	00.0	0061.8	0050	00.0	7011.4	06.6	0057.7	0530	06.2	HTS
70591	0268.6	00.1	0391.2	0030	00.1	0134.0	00.0	0381.5	0020	00.1	0103.4	00.0	0454.3	0020	00.0	HTS
70596	0290.0	01.2	0303.9	0020	01.4	0106.4	00.0	0347.5	0020	00.0	0452.2	06.5	0056.4	0160	07.2	HTS
70605	0178.3	00.0	0609.2	0015	00.0	0275.2	00.0	0308.4	0025	00.0	3560.2	02.5	0170.0	0300	02.5	HTS
70643	0169.1	00.0	0413.5	0020	00.0	0548.4	00.1	0146.1	0080	00.1	9092.0	08.4	0050.6	0330	08.2	HTS
70648	0062.0	00.0	0201.0	0000	00.0	0068.1	00.0	0143.7	0000	00.0	0129.3	00.0	0079.2	0010	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=38 MODEL YR(S)=1977

MAKE=FORD MERC MODEL=FORD T-BIRD LTD-II MERC COUGAR

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70110	0215.8	00.0	0461.9	0040	00.0	0176.0	00.0	0404.3	0040	00.0	0270.9	00.0	0116.7	0040	00.0	DEQ
70110	0175.3	00.0	0454.2	0060	00.0	0133.2	00.0	0371.6	0080	00.0	0253.3	00.0	0135.7	0080	00.0	HTS
70113	0362.9	00.0	0281.8	0040	00.1	0228.0	00.0	0119.2	0040	00.1	0614.1	00.8	0031.6	0155	01.0	DEQ
70113	0121.2	00.0	0410.5	0020	00.0	0145.2	00.0	0237.8	0060	00.0	0310.3	00.0	0065.2	0060	00.0	HTS
70170	0142.2	00.0	0341.8	0030	00.1	0157.6	00.0	0444.3	0030	00.1	3892.1	04.7	0026.6	0400	04.8	DEQ
70170	0121.1	00.0	0320.6	0020	00.1	0151.1	00.0	0352.0	0030	00.1	1069.4	00.7	0047.8	0170	01.0	HTS
70222	0249.5	00.0	0474.4	0045	00.1	0200.5	00.0	0289.3	0045	00.1	0252.6	00.0	0149.2	0040	00.1	DEQ
70222	0490.2	00.0	0357.5	0020	00.0	0280.1	00.0	0240.9	0020	00.0	0298.1	00.0	0105.7	0020	00.0	HTS
70225	0197.4	00.0	1502.4	0035	00.1	0185.1	00.0	0551.9	0040	00.1	0218.8	00.0	0084.2	0040	00.1	DEQ
70225	0118.1	00.0	2295.4	0030	00.0	0151.1	00.0	0931.4	0040	00.0	0235.1	00.0	0129.9	0050	00.0	HTS
70226	0365.9	00.0	0304.3	0045	00.1	0283.2	00.0	0171.7	0050	00.1	0323.0	00.0	0076.7	0050	00.1	DEQ
70226	0247.1	00.0	0487.2	0030	00.0	0196.1	00.0	0197.5	0030	00.0	0295.1	00.0	0088.8	0030	00.0	HTS
70242	0148.4	00.0	0536.9	0030	00.1	0123.5	00.0	0274.3	0030	00.1	0176.0	00.1	0224.2	0040	00.5	DEQ
70242	0463.3	00.0	0413.1	0040	00.0	0271.3	00.0	0238.3	0030	00.0	0289.3	00.0	0187.4	0030	00.0	HTS
70250	0148.4	00.0	0531.9	0030	00.1	0154.5	00.0	0319.3	0030	00.1	0151.4	00.0	0441.8	0030	00.1	DEQ
70250	0357.3	00.0	0335.0	0040	00.0	0307.3	00.0	0228.6	0047	00.1	0247.3	00.0	0301.4	0040	00.0	HTS
70254	0231.1	00.0	0556.9	0045	00.1	0188.2	00.0	0364.3	0040	00.1	0200.5	00.0	0364.3	0040	00.1	DEQ
70254	0133.1	00.0	0332.3	0030	00.0	0166.1	00.0	0229.6	0040	00.0	0250.1	00.0	0095.9	0050	00.0	HTS
70309	0114.7	00.0	0459.4	0040	00.1	0117.7	00.0	0256.8	0040	00.1	0209.7	00.0	0076.7	0045	00.1	DEQ
70309	0155.4	00.0	0461.6	0070	00.0	0124.8	00.0	0238.3	0070	00.0	0231.9	00.0	0092.8	0075	00.0	HTS
70315	3762.1	02.3	1905.1	0265	02.3	4621.7	00.9	1815.0	0360	01.4	9989.7	10.5	0029.1	1170	10.0	DEQ
70315	3928.8	02.3	1848.3	0310	02.6	4248.6	00.5	1803.0	0280	00.5	9996.0	10.5	0045.8	1140	10.0	HTS
70323	0354.3	00.0	0311.1	0050	00.0	0311.5	00.0	0187.4	0060	00.0	0268.6	00.0	0235.9	0050	00.0	HTS
70331	0150.7	00.0	0339.5	0040	00.0	0181.3	00.0	0112.7	0040	00.0	0227.2	00.1	0064.9	0040	00.1	HTS
70363	0788.8	00.0	0573.2	0060	00.0	0384.9	00.0	0269.9	0035	00.0	0492.0	00.0	0066.1	0035	00.0	HTS
70380	1811.8	00.0	0310.8	0110	00.0	1567.0	00.0	0153.2	0100	00.0	1252.0	00.0	0196.2	0050	00.0	HTS
70421	0129.3	00.0	0450.2	0000	00.0	0123.2	00.0	0296.5	0000	00.0	0202.7	00.0	0186.7	0000	00.0	HTS
70422	0124.8	00.0	0396.1	0010	00.0	0140.1	00.0	0277.2	0020	00.0	0155.4	00.0	0255.3	0010	00.0	HTS
70423	0259.2	00.0	2436.8	0030	00.0	0290.0	00.0	1490.4	0030	00.0	0424.7	00.1	0160.7	0040	00.0	HTS
70425	0101.8	00.0	0406.3	0000	00.0	0114.0	00.0	0234.4	0000	00.0	0132.4	00.0	0193.8	0000	00.0	HTS
70450	0114.0	00.0	0432.6	0025	00.0	0111.0	00.0	0222.5	0020	00.0	0150.7	00.0	0174.7	0020	00.0	HTS
70480	0230.3	00.0	0377.7	0020	00.0	0279.2	00.0	0382.4	0030	00.0	0386.3	00.0	0236.8	0050	00.0	HTS
70493	0196.6	00.0	0802.6	0020	00.0	0120.1	00.0	0492.3	0020	00.0	0221.1	00.0	0084.0	0020	00.0	HTS
70503	0557.6	00.0	0525.7	0020	00.0	0450.5	00.0	0286.9	0040	00.0	0346.5	00.0	0181.9	0020	00.0	HTS
70504	0130.9	00.0	0175.3	0020	00.0	0094.2	00.0	0121.9	0020	00.0	0109.5	00.0	0058.8	0020	00.0	HTS
70517	0236.4	00.0	0436.8	0030	00.0	0202.7	00.0	0198.6	0030	00.0	2695.8	04.7	0124.6	0140	04.2	HTS
70544	0147.7	00.0	0377.7	0010	00.0	0218.0	00.0	0267.8	0020	00.0	2068.7	05.1	0064.9	0240	04.0	HTS
70571	0153.5	00.0	0212.9	0020	00.0	0257.6	00.0	0088.8	0040	00.0	0508.6	01.4	0036.3	0030	01.3	HTS
70610	0120.1	00.0	0676.6	0020	00.0	0120.1	00.0	0482.7	0020	00.0	0227.2	00.1	0146.1	0025	00.3	HTS
70628	0150.7	00.0	0420.6	0020	00.0	0184.4	00.0	0258.3	0020	00.0	0465.8	00.0	0124.6	0070	00.0	HTS
70646	0718.4	00.0	0466.4	0060	00.1	0908.2	00.0	0284.4	0060	00.1	1440.6	01.0	0185.0	0060	00.4	HTS
70647	0159.9	00.0	0320.4	0020	00.0	0300.6	00.0	0110.3	0040	00.0	0303.7	00.0	0081.6	0020	00.0	HTS
70651	0149.3	00.0	0449.5	0020	00.0	0140.1	00.0	0286.9	0020	00.0	0250.3	00.0	0121.9	0030	00.0	HTS
70660	0228.8	00.0	0561.1	0020	00.0	0259.4	00.0	0267.5	0020	00.0	0348.2	00.0	0087.9	0020	00.0	HTS
70662	0187.4	00.0	0339.5	0020	00.0	0181.3	00.0	0227.3	0020	00.0	0161.3	00.0	0248.7	0030	00.0	HTS
70665	0124.8	00.0	0563.5	0010	00.0	0216.6	00.0	0512.5	0020	00.0	0268.6	00.0	0874.1	0040	00.0	HTS
74004	0116.1	00.0	0426.5	0010	00.0	0101.1	00.0	0214.7	0010	00.0	0227.2	00.5	0057.8	0040	01.0	DEQ
74004	0097.4	00.0	0370.4	0020	00.1	0091.4	00.0	0208.0	0020	00.1	0211.8	00.0	0093.0	0020	00.1	HTS
74015	0146.4	00.0	0626.9	0030	00.1	0140.3	00.0	0329.3	0030	00.1	0219.9	00.0	0129.2	0030	00.1	DEQ
74015	0130.1	00.0	0499.8	0150	00.1	0127.1	00.0	0274.2	0230	00.1	0184.1	00.0	0184.0	0250	00.1	HTS
74018	0261.7	00.0	0426.8	0030	00.1	0157.4	00.0	0229.2	0030	00.1	0172.9	00.0	0244.2	0030	00.1	DEQ
74018	0094.2	00.0	0461.1	0020	00.0	0097.2	00.0	0217.7	0025	00.0	0082.2	00.0	0222.5	0020	00.0	HTS
74021	0180.1	00.0	0546.9	0035	00.0	0146.4	00.0	0284.3	0030	00.0	0290.4	00.1	0064.2	0135	03.0	DEQ
74021	0139.1	00.0	0517.3	0180	00.0	0115.1	00.0	0251.7	0190	00.0	0190.1	00.0	0126.4	0160	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=39 MODEL YR(S)=1975,1976

MAKE=CHEV MODEL=VEGA

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50033	0347.5	00.0	0574.4	0030	00.0	0255.6	00.0	0311.8	0030	00.0	0270.9	00.0	0089.2	0030	00.0	DEQ
50033	0106.2	00.0	0570.6	0000	00.0	0070.2	00.0	0288.3	0000	00.0	0229.3	00.0	0096.0	0000	00.0	HTS
50083	1674.3	00.7	1494.9	0150	00.7	3132.4	02.6	0326.8	0280	02.6	5731.4	07.0	0041.7	0470	07.2	DEQ
50083	2023.8	00.8	1267.0	0285	01.2	3479.0	02.9	0347.2	0410	03.2	6717.5	07.4	0076.8	0790	07.9	HTS
50102	0240.3	00.4	0591.9	0030	00.5	1919.4	02.7	0236.7	0160	02.7	2379.0	05.3	0076.7	0170	05.2	DEQ
50102	0358.3	00.0	0789.7	0040	00.1	2173.7	02.3	0240.3	0170	02.5	2887.9	04.9	0094.4	0200	05.0	HTS
50105	0601.9	00.9	0609.4	0070	00.9	2057.3	02.2	0309.3	0190	02.3	0375.1	00.0	0244.2	0040	00.1	DEQ
50105	0052.2	00.0	0551.5	0027	00.0	0157.2	00.0	0437.2	0040	00.0	0082.2	00.0	0203.8	0030	00.0	HTS
50109	0255.6	00.0	0972.1	0030	00.1	0304.6	00.3	0191.7	0035	00.2	0120.8	00.0	0126.7	0020	00.1	DEQ
50109	0235.1	00.0	1116.2	0150	00.1	0526.2	00.5	0214.5	0200	00.6	0091.0	00.0	0166.9	0180	00.1	HTS
50116	0718.3	00.7	2072.6	0050	00.5	1484.3	00.6	1487.3	0115	00.7	1977.6	01.9	0161.7	0160	02.2	DEQ
50116	0583.2	00.3	2073.1	0155	00.5	1510.6	00.5	1364.2	0280	00.8	2347.9	01.1	0211.9	0340	01.5	HTS
50138	0538.9	00.0	1114.7	0065	00.1	3282.3	03.7	0269.3	0250	03.6	4961.7	07.0	0036.6	0345	06.8	DEQ
50138	0730.3	00.1	0926.6	0275	00.4	3529.0	03.8	0272.3	0500	04.2	7247.3	09.0	0064.7	0750	09.2	HTS
50170	0987.9	00.4	1407.3	0080	00.4	2474.0	02.2	0366.8	0190	02.2	2553.6	01.6	0214.2	0200	01.7	DEQ
50170	0427.3	00.0	0541.7	0030	00.0	0784.4	00.3	0208.7	0060	00.4	2107.7	00.8	0313.2	0170	00.7	HTS
50174	0313.8	00.0	1402.3	0063	00.1	1352.5	00.8	0864.6	0135	00.9	3212.4	06.7	0066.7	0750	06.1	DEQ
50174	0496.3	00.0	0918.6	0040	00.1	1048.5	00.6	0566.0	0110	00.7	3235.7	05.0	0116.3	0235	04.8	HTS
50196	0234.2	00.0	2502.8	0045	00.1	0191.3	00.0	1074.7	0035	00.1	0126.9	00.0	0144.2	0030	00.1	DEQ
50196	0184.3	00.0	1854.6	0050	00.0	0193.3	00.0	1071.7	0050	00.0	0148.2	00.0	0160.0	0040	00.0	HTS
50224	1128.9	00.1	0842.0	0050	00.3	3002.4	02.0	0249.3	0190	01.8	5421.5	08.1	0034.1	0360	07.3	DEQ
50224	0940.4	00.1	0848.0	0080	00.1	2606.0	01.2	0246.4	0200	01.3	4678.4	05.9	0060.1	0290	05.8	HTS
50234	1554.8	01.2	0802.0	0050	01.0	2354.5	01.0	0359.3	0120	00.7	4261.9	07.2	0046.7	0320	07.4	DEQ
50234	2005.8	01.2	0766.8	0150	01.5	3199.1	01.2	0451.7	0220	01.2	4368.6	06.2	0088.8	0350	06.1	HTS
50243	0326.1	00.3	0279.3	0040	00.4	0194.3	00.1	0136.7	0040	00.2	2051.1	01.1	0364.3	0140	01.4	DEQ
50243	1627.6	00.8	0922.0	0130	00.9	0517.2	00.2	0088.8	0070	00.7	2482.9	01.8	0224.9	0230	02.2	HTS
50250	2878.4	02.2	1052.1	0220	02.2	4811.7	02.9	0334.3	0410	02.9	9969.7	10.9	0021.6	1020	10.0	DEQ
50250	0949.4	00.1	0886.2	0090	00.1	0715.4	00.1	0507.7	0090	00.0	6274.4	06.6	0090.3	0540	06.4	HTS
50307	2080.1	00.7	1014.8	0120	00.8	2768.6	02.4	0398.5	0215	02.6	2542.2	02.4	0117.0	0210	02.0	HTS
50330	1823.1	00.7	0925.0	0050	00.6	2854.3	01.4	0653.3	0140	01.2	4945.0	02.5	0155.8	0300	02.2	HTS
50365	2448.0	01.6	0697.6	0130	02.0	1688.2	00.9	0394.4	0120	01.0	0511.7	00.0	0212.9	0040	00.0	HTS
50382	1140.7	00.4	0852.3	0050	00.5	1085.6	00.3	0432.5	0070	00.4	7943.7	08.8	0049.1	0460	09.0	HTS
50384	1612.0	01.0	0683.8	0080	01.0	1667.0	01.4	0561.1	0100	01.4	2022.0	02.3	0187.4	0110	02.2	HTS
50452	1557.9	00.1	1175.1	0060	00.1	1729.2	00.1	0563.9	0120	00.1	3018.9	02.5	0153.2	0230	03.0	HTS
50455	0884.9	00.1	0976.9	0050	00.1	1343.7	00.4	0719.1	0130	00.4	3628.9	02.7	0161.9	0240	02.6	HTS
50461	0207.4	00.0	1553.5	0020	00.0	2113.8	01.0	0561.1	0150	01.0	5944.6	08.1	0068.5	0260	08.2	HTS
50518	0646.3	00.0	0712.4	0060	00.1	0603.5	00.2	0155.8	0060	00.2	1151.0	00.6	0136.5	0100	00.7	HTS
50546	0791.9	00.1	1276.9	0050	00.1	1149.9	00.2	0558.6	0100	00.3	3216.8	04.2	0209.2	0230	04.3	HTS
56037	3419.0	05.2	0403.9	0180	05.0	3708.9	05.0	0318.0	0240	05.0	3229.1	01.0	0411.1	0160	01.1	HTS
60057	0488.5	00.2	1007.1	0040	00.2	0617.2	00.3	0251.8	0070	00.6	0203.5	00.0	0541.9	0030	00.1	DEQ
60057	0907.4	00.5	1379.3	0175	00.6	1621.6	01.0	0312.1	0250	01.3	0220.1	00.0	0384.8	0200	00.2	HTS
60278	1202.4	00.7	0557.1	0075	00.6	2161.5	02.4	0151.7	0130	02.1	2627.2	03.6	0101.7	0140	02.7	DEQ
60278	0277.3	00.0	0876.5	0032	00.0	0340.3	00.2	0066.1	0037	00.2	1147.5	01.1	0046.6	0100	01.1	HTS
60385	2108.5	00.4	1367.6	0120	00.1	2779.3	00.7	0509.0	0200	00.6	6037.8	09.1	0050.6	0400	09.0	HTS
60480	2313.4	01.1	2397.4	0120	01.2	3369.1	01.2	2316.3	0210	01.3	6927.4	09.5	0076.8	0420	09.3	HTS
60540	1961.7	00.8	0852.8	0080	00.8	2819.3	02.5	0456.4	0160	02.5	3379.0	04.5	0105.5	0200	04.4	HTS
60628	0132.4	00.0	1335.0	0015	00.0	0138.5	00.0	0246.4	0020	00.1	0062.0	00.0	0170.0	0010	00.0	HTS
60655	1162.1	00.6	1480.7	0060	00.7	2294.3	01.3	0357.2	0120	01.2	0293.1	00.0	0400.9	0020	00.1	HTS
60681	0307.3	00.0	1177.4	0060	00.0	0599.1	00.1	0126.7	0050	00.0	4397.2	06.3	0049.1	0320	05.7	HTS
60727	0395.4	00.0	1113.0	0040	00.0	2637.7	01.3	0279.8	0180	01.4	5620.9	08.5	0050.6	0380	08.4	HTS
60731	0228.6	00.0	2436.8	0040	00.0	3086.7	02.0	1323.0	0220	02.1	2586.6	00.8	0235.9	0200	01.0	HTS
66026	1760.2	00.7	1272.2	0100	00.8	2762.5	01.3	0259.3	0180	01.4	4471.9	06.8	0091.7	0320	06.7	DEQ
66026	0439.3	00.0	0460.6	0050	00.0	0454.3	00.1	0115.4	0050	00.1	0457.3	00.4	0020.5	0065	00.5	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=40   MODEL YR(S)=1975,1976

MAKE=CHEV   MODEL=VEGA MONZA

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50081	0540.6	00.0	1672.4	0040	00.1	0313.8	00.2	0476.9	0030	00.2	0176.0	00.1	0084.2	0020	00.1	DEQ
50061	0679.3	00.0	1013.5	0100	00.1	0250.1	00.0	0692.4	0110	00.1	0133.1	00.0	0100.9	0110	00.1	HTS
50152	0267.9	00.0	2287.7	0045	00.1	0139.2	00.0	1952.6	0040	00.1	0068.7	00.0	0159.2	0030	00.1	DEQ
50152	0310.3	00.0	2060.3	0050	00.1	0176.3	00.0	1729.3	0045	00.1	0103.2	00.0	0366.1	0030	00.0	HTS
50164	3162.4	03.1	0479.4	0180	03.1	4491.9	05.6	0219.2	0330	05.8	9989.7	09.2	0021.6	0670	09.2	DEQ
50164	2779.3	01.3	1059.3	0180	01.6	4318.6	04.1	0656.2	0350	04.4	8976.5	07.1	0069.5	0580	07.7	HTS
50166	2575.1	01.3	1212.2	0160	01.4	3682.2	03.0	0982.1	0220	03.0	9250.0	08.5	0046.7	0450	08.6	DEQ
50166	2805.9	00.4	1499.6	0150	00.5	3515.6	01.7	0629.3	0250	01.9	8633.4	08.0	0038.5	0430	08.0	HTS
50172	1162.6	00.1	2502.8	0080	00.1	1456.7	00.1	1960.1	0117	00.1	3392.3	02.3	0106.7	0200	02.2	DEQ
50172	0826.4	00.1	2438.1	0050	00.1	1144.5	00.1	1190.9	0080	00.1	3725.5	03.2	0109.0	0240	02.0	HTS
50216	0877.6	00.0	1379.8	0070	00.1	2105.4	00.8	1119.7	0150	00.9	4551.8	05.1	0064.2	0260	05.0	DEQ
50216	1123.5	00.0	1125.2	0080	00.0	1150.5	00.1	0719.2	0100	00.2	3755.5	03.0	0062.8	0250	03.0	HTS
50239	3272.3	03.8	0541.9	0560	03.3	4821.7	07.0	0231.7	0840	05.5	7860.5	08.5	0041.7	1280	07.4	DEQ
50239	3245.7	02.2	0842.5	0560	02.2	4325.3	05.0	0374.2	1000	04.4	4875.0	06.0	0085.5	0900	05.6	HTS
50309	1547.7	00.1	1145.9	0120	00.2	0798.0	00.1	1148.3	0090	00.1	0320.6	00.0	0192.2	0060	00.0	HTS
50325	4928.3	07.1	0220.1	0330	07.2	5718.0	07.0	0184.3	0350	07.1	9996.0	08.3	0053.0	0560	08.4	HTS
50388	2860.4	00.9	1406.2	0120	01.0	4225.3	03.0	0597.5	0250	03.0	4945.0	05.9	0087.9	0220	05.6	HTS
50390	1593.6	00.4	2296.5	0080	00.4	1269.2	00.5	0626.6	0070	00.6	0944.9	00.4	0073.3	0060	00.0	HTS
50391	1426.3	00.3	2597.4	0080	00.4	2959.2	01.6	1347.0	0220	01.6	4968.3	06.5	0100.7	0250	06.4	HTS
50405	1460.0	00.5	1475.9	0125	00.6	2679.4	01.4	1356.5	0200	01.8	6127.8	07.6	0057.7	0350	07.4	HTS
50415	1899.6	00.6	1257.5	0090	01.2	4615.1	04.5	0558.6	0220	04.3	9513.1	09.7	0044.2	0300	09.4	HTS
50420	0892.9	00.0	2060.7	0080	00.0	0684.8	00.1	0786.7	0060	00.2	0421.6	00.0	0124.3	0100	00.0	HTS
50429	0513.4	00.0	1733.1	0030	00.0	0348.2	00.1	1208.9	0020	00.1	0342.1	00.1	0032.1	0020	00.1	HTS
50470	1905.7	00.7	1070.6	0100	00.8	3046.7	02.2	1192.0	0220	02.1	2466.5	01.3	0114.6	0140	01.2	HTS
50505	3250.1	00.7	2397.4	0150	01.0	4150.4	02.1	0993.6	0200	02.0	1404.9	01.9	0129.4	0160	01.8	HTS
50513	0623.6	00.0	2436.8	0050	00.0	0357.1	00.0	2436.8	0050	00.0	0231.9	00.0	0112.2	0040	00.0	HTS
50526	1013.4	00.0	1490.2	0070	00.1	2880.0	01.5	1435.3	0180	01.6	5921.0	06.2	0093.6	0280	06.3	HTS
54032	0287.3	00.0	1484.8	0030	00.1	0226.1	00.0	1312.3	0035	00.1	0121.9	00.0	0079.2	0025	00.1	DEQ
54032	0790.4	00.1	1502.9	0070	00.1	1825.6	01.2	1215.7	0170	01.3	0943.4	00.4	0042.4	0090	00.4	HTS
56013	2422.7	00.5	1747.5	0140	00.5	3552.2	00.1	1052.1	0280	02.8	9989.7	08.9	0041.7	1600	08.2	DEQ
56013	2344.9	00.5	1569.6	0220	00.6	3019.2	01.5	0053.7	0240	01.6	9996.0	09.2	0036.7	0626	09.4	HTS
56016	0746.9	00.0	1977.6	0040	00.0	0949.1	00.0	1089.7	0090	00.0	1613.1	00.3	0081.7	0250	00.0	DEQ
56016	1706.7	00.7	1750.2	0060	00.3	2555.0	03.7	0610.0	0100	01.0	5268.2	01.8	0061.2	0170	00.6	HTS
56033	0810.2	00.0	2502.8	0070	00.1	1631.4	00.2	1107.2	0170	00.3	7230.8	02.2	0076.7	0450	06.6	DEQ
56033	0904.4	00.0	2121.2	0060	00.1	0802.4	00.0	0728.8	0050	00.1	7533.9	05.3	0059.4	0460	05.4	HTS
60002	0308.8	00.0	2502.8	0035	00.0	0229.1	00.0	0682.0	0040	00.0	0094.3	00.0	0051.7	0020	00.0	DEQ
60002	0217.1	00.0	2334.1	0075	00.0	0241.1	00.2	0607.5	0100	00.2	0109.0	00.0	0096.3	0100	00.0	HTS
60010	0409.9	00.0	1637.5	0040	00.1	0269.0	00.0	0599.4	0035	00.1	0160.1	00.0	0099.2	0025	00.1	DEQ
60010	0367.1	00.0	1569.8	0150	00.1	1279.5	00.9	0958.4	0250	01.3	0193.1	00.1	0051.2	0150	00.2	HTS
60259	0525.3	00.0	0782.0	0060	00.1	0687.6	00.4	0181.7	0080	00.4	1027.8	00.8	0051.7	0090	00.8	DEQ
60259	0298.1	00.0	1397.3	0040	00.1	0301.1	00.2	0303.7	0050	00.1	0157.1	00.0	0043.0	0030	00.1	HTS
60323	0347.5	00.0	1612.4	0045	00.1	0215.8	00.0	0449.3	0035	00.1	2038.9	01.5	0071.7	0140	01.4	DEQ
60323	0374.0	00.0	1258.6	0058	00.0	0627.5	00.3	0614.0	0085	00.4	2423.6	01.8	0086.4	0195	02.0	HTS
60375	0357.4	00.0	1992.7	0020	00.0	2147.5	01.2	0684.8	0100	01.2	5094.9	07.6	0051.5	0180	06.8	HTS
60379	0706.2	00.1	1412.8	0040	00.1	2701.3	02.8	1349.7	0180	02.6	4295.3	03.5	0104.9	0200	03.8	HTS
60566	0280.9	00.0	1636.0	0035	00.0	0195.2	00.0	2388.2	0030	00.0	0339.0	00.0	0114.6	0050	00.0	HTS
60603	2456.5	03.1	0990.6	0140	03.2	3066.7	03.2	0597.5	0230	03.2	0866.0	00.3	0061.2	0090	00.4	HTS
60652	1593.6	00.2	1036.7	0090	00.2	1838.4	00.9	0228.6	0110	00.9	0348.2	00.0	0097.6	0030	00.0	HTS
60677	2502.4	00.7	1012.4	0140	00.8	4187.1	01.6	0381.5	0220	01.8	2346.5	00.5	0066.1	0110	00.6	HTS
60719	1263.1	00.1	1473.4	0080	00.1	2296.5	00.7	0471.3	0160	00.8	3466.9	02.4	0085.5	0360	02.4	HTS
64020	1068.6	00.0	2257.7	0060	00.0	0863.4	00.0	0862.0	0065	00.0	0486.5	00.0	0141.7	0045	00.0	DEQ
64020	0751.4	00.0	2496.4	0070	00.0	0667.4	00.1	0607.3	0060	00.1	0286.3	00.0	0099.4	0040	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=41   MODEL YR(S)=1975,1976

MAKE=CHEV PONT OLDS   MODEL=NOVA CAMARO VENTURA FBIRD CUTLASS OMEGA

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50108	1790.7	01.5	2050.1	0140	01.6	2323.8	02.8	1029.6	0200	02.8	2636.4	03.2	0179.2	0250	03.2	DEQ
50108	0562.2	00.2	1220.5	0150	00.5	1102.4	01.2	0785.6	0300	01.5	0643.3	00.2	0214.5	0250	00.5	HTS
50110	1729.4	01.5	1827.5	0140	01.6	2342.2	03.8	0777.0	0180	03.8	1282.1	00.8	0286.8	0120	01.3	DEQ
50110	0148.1	00.0	2165.8	0130	00.1	0295.1	00.3	1489.5	0170	00.1	0046.0	00.0	0337.2	0180	00.1	HTS
50230	0160.6	00.0	0239.2	0030	00.1	0240.3	00.0	1094.7	0045	00.1	2758.9	02.8	0124.2	0200	02.1	DEQ
50230	0229.3	00.0	0550.0	0030	00.1	0307.3	00.0	1225.9	0070	00.1	3275.7	02.7	0134.0	0300	00.6	HTS
50246	0136.1	00.0	1047.1	0040	00.1	0295.4	00.0	1534.9	0060	00.1	3812.1	05.4	0091.7	0300	05.0	DEQ
50246	0118.1	00.0	0821.7	0040	00.0	0268.1	00.0	1156.0	0060	00.0	4348.6	05.9	0064.9	0390	06.2	HTS
50266	1156.4	00.0	0416.8	0100	00.1	0785.7	00.0	1592.4	0085	00.1	5271.5	07.5	0059.2	0380	07.5	DEQ
50266	0360.1	00.0	0449.3	0045	00.0	0386.3	00.0	0520.9	0060	00.0	1420.2	01.8	0029.1	0160	01.9	HTS
50327	0156.8	00.0	0838.4	0040	00.0	0187.4	00.0	2299.6	0060	00.0	1028.7	00.3	0167.6	0130	00.8	HTS
50361	1991.4	02.1	1835.0	0120	02.4	2493.2	02.7	1102.2	0180	03.0	0507.3	00.0	0306.3	0040	00.0	HTS
50364	0129.3	00.0	0960.2	0000	00.0	0058.9	00.0	0637.9	0000	00.0	0068.1	00.0	0224.9	0000	00.0	HTS
50443	0178.3	00.0	0774.0	0020	00.0	1068.4	00.0	1561.8	0100	00.2	8426.7	10.2	0031.5	0460	09.7	HTS
50454	0499.4	00.0	1986.8	0000	00.0	2805.9	02.4	0941.1	0140	02.4	4518.5	05.7	0067.3	0480	07.8	HTS
50496	0273.1	00.0	1163.1	0020	00.0	0199.7	00.0	2106.2	0040	00.0	0141.5	00.0	0566.3	0020	00.0	HTS
56014	0146.4	00.0	0236.7	0025	00.0	0167.9	00.0	1602.4	0035	00.0	1865.2	00.1	0076.7	0170	01.7	DEQ
56014	0184.3	00.0	1198.6	0025	00.0	0193.3	00.0	1619.7	0030	00.0	2023.8	03.1	0096.0	0190	03.2	HTS
56015	0195.4	00.0	0341.8	0025	00.0	0351.7	00.0	1437.3	0050	00.0	2499.4	05.3	0069.2	0160	05.0	DEQ
56015	0235.1	00.0	0449.7	0070	00.1	0409.2	00.0	1361.8	0120	00.1	2642.0	06.1	0154.0	0300	06.0	HTS
60005	0094.3	00.0	0594.3	0010	00.0	0085.1	00.0	0977.1	0015	00.0	1185.1	01.0	0119.2	0100	01.0	DEQ
60005	0151.1	00.0	0457.4	0180	00.1	0148.1	00.0	1459.5	0230	00.3	2038.8	02.6	0179.0	0410	03.2	HTS
60108	0117.7	00.0	1392.3	0020	00.0	0212.7	00.0	1807.5	0040	00.0	2241.1	02.3	0199.2	0205	02.3	DEQ
60108	0115.1	00.0	0903.3	0100	00.1	0184.1	00.0	1411.8	0150	00.1	2389.9	01.3	0249.5	0350	01.8	HTS
60165	0427.2	00.0	2012.6	0055	00.1	0359.8	00.0	2502.8	0055	00.1	3462.3	05.9	0144.2	0300	05.8	DEQ
60165	0175.3	00.0	1483.4	0030	00.0	0292.3	00.0	2160.1	0050	00.1	3505.6	03.4	0195.6	0275	03.4	HTS
60183	0212.7	00.0	1447.3	0035	00.1	0418.0	00.0	1274.7	0055	00.1	4032.0	06.6	0081.7	0320	06.2	DEQ
60183	0295.1	00.0	1409.4	0050	00.1	2510.0	01.1	1238.0	0225	01.2	5158.2	07.7	0062.4	0425	08.0	HTS
60237	0396.6	00.0	2110.2	0050	00.1	1711.0	00.6	1735.0	0180	00.8	3072.4	04.8	0106.7	0290	05.0	DEQ
60237	0145.2	00.0	0546.6	0040	00.0	0115.2	00.0	2005.3	0040	00.0	1897.7	00.7	0264.6	0180	00.7	HTS
60243	0228.0	00.0	0862.0	0035	00.1	0252.6	00.0	1687.4	0045	00.1	0215.8	00.0	0309.3	0045	00.1	DEQ
60243	0163.1	00.0	0207.1	0050	00.1	0193.1	00.0	0646.5	0065	00.1	0325.1	00.0	0067.1	0100	00.1	HTS
60247	0120.8	00.0	1149.7	0040	00.1	0093.2	00.0	2002.6	0040	00.1	0179.0	00.0	0144.2	0050	00.1	DEQ
60247	0364.2	00.0	0694.9	0040	00.0	0049.2	00.0	1210.3	0040	00.0	0142.2	00.0	0079.8	0050	00.0	HTS
60273	0433.3	00.0	1042.1	0045	00.1	3062.4	03.2	0952.1	0180	02.3	5591.4	07.7	0069.2	0300	05.2	DEQ
60273	0256.1	00.0	0821.7	0050	00.0	2769.3	02.7	1036.6	0250	02.7	5598.0	07.8	0062.5	0450	07.7	HTS
60356	0406.3	00.0	1699.1	0060	00.0	4275.3	05.2	0330.6	0340	05.0	8433.5	09.0	0053.9	0575	09.0	HTS
60357	0210.5	00.0	0621.7	0020	00.0	0342.1	00.0	1580.2	0050	00.0	0446.1	00.0	0345.1	0070	00.0	HTS
60409	0176.8	00.0	1854.4	0025	00.0	0259.4	00.0	1813.1	0035	00.0	4225.3	05.6	0131.6	0270	05.3	HTS
60449	0049.8	00.0	0205.8	0000	00.0	0123.2	00.0	0666.5	0000	00.0	2469.4	05.5	0074.5	0180	05.6	HTS
60506	0228.8	00.0	0973.6	0000	00.0	0253.3	00.0	1434.6	0010	00.0	1942.4	02.9	0092.8	0120	02.8	HTS
60520	0400.2	00.0	0400.9	0020	00.0	0247.2	00.0	1842.3	0020	00.0	0186.0	00.0	0723.6	0000	00.0	HTS
60569	0094.2	00.0	0393.6	0020	00.0	0186.0	00.0	0670.3	0025	00.0	2915.5	06.3	0083.0	0150	06.6	HTS
60585	0366.5	00.0	1625.3	0050	00.1	0192.1	00.0	1781.6	0040	00.0	0146.2	00.0	0439.7	0030	00.0	HTS
60592	0181.3	00.0	1210.9	0010	00.0	0224.1	00.0	2087.1	0030	00.0	2389.9	01.6	0122.2	0180	01.6	HTS
60660	0224.1	00.0	2397.4	0040	00.2	2453.5	03.4	0559.1	0170	03.0	1793.4	00.5	0112.7	0150	01.0	HTS
60667	0159.9	00.0	1184.6	0020	00.0	0224.1	00.0	2211.2	0040	00.0	3820.3	04.4	0119.8	0300	04.6	HTS
60707	0153.8	00.0	1665.0	0040	00.0	0126.2	00.0	1267.3	0040	00.0	1111.2	00.2	0160.4	0160	00.2	HTS
64023	0143.3	00.0	0697.0	0020	00.0	0125.0	00.0	1539.9	0020	00.0	0115.8	00.0	0634.4	0020	00.0	DEQ
64023	0049.0	00.0	0635.1	0035	00.0	0049.0	00.0	1251.6	0040	00.0	0043.0	00.0	0301.8	0030	00.0	HTS
66005	0226.1	00.0	0772.0	0010	00.1	0170.9	00.0	1062.1	0010	00.1	1804.0	02.9	0051.7	0080	01.5	DEQ
66005	0130.2	00.0	0762.3	0020	00.0	0166.2	00.0	1430.2	0030	00.0	4355.3	06.0	0051.9	0310	05.8	HTS
66016	0526.3	00.0	2502.8	0060	00.1	2962.5	03.5	0456.9	0230	03.4	4801.7	04.8	0006.6	0360	04.3	DEQ
66016	0430.3	00.0	2430.3	0040	00.0	4535.2	06.9	0266.3	1480	07.0	9992.8	10.4	0015.6	0700	10.0	HTS
66027	0418.0	00.0	0712.0	0045	00.0	0341.4	00.0	1820.0	0050	00.0	3532.2	06.2	0116.7	0300	05.9	DEQ
66027	0070.0	00.0	1186.4	0055	00.1	0148.1	00.0	2138.3	0125	00.1	5738.0	09.4	0064.2	0500	09.8	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=42 MODEL YR(S)=1975,1976

MAKE=CHEV MODEL=MALIBU CAMARO MONTE CARLO LAGUNA

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50014	0316.9	00.1	1937.6	0030	00.1	2213.5	03.0	0656.9	0140	03.0	3222.4	03.4	0116.7	0240	03.3	DEQ
50014	0892.4	00.8	1972.7	0060	00.9	2284.7	03.2	0633.9	0150	03.0	2881.9	02.6	0151.9	0200	02.5	HTS
50163	0151.4	00.0	0869.6	0035	00.1	0123.9	00.0	0174.2	0035	00.1	0065.6	00.0	0196.7	0035	00.1	DEQ
50163	0139.1	00.0	0740.7	0040	00.1	0109.0	00.0	0228.9	0040	00.1	0052.0	00.0	0166.1	0030	00.1	HTS
50183	0748.9	00.6	0679.5	0070	00.7	0148.4	00.0	0219.2	0035	00.1	0087.1	00.0	0126.7	0030	00.1	DEQ
50183	0124.1	00.0	0702.0	0050	00.1	0088.0	00.0	0238.5	0050	00.0	0058.0	00.0	0129.9	0040	00.0	HTS
50203	0596.8	00.6	0501.9	0050	00.5	1646.7	02.6	0121.7	0105	02.1	2143.1	02.3	0136.7	0205	03.1	DEQ
50203	0127.1	00.0	0644.1	0050	00.1	1195.5	01.3	0144.4	0110	01.2	0508.2	00.4	0115.4	0170	01.4	HTS
50205	2100.2	03.2	0714.5	0135	03.3	2118.6	02.1	0226.7	0150	02.2	1095.2	00.1	0121.7	0120	00.2	DEQ
50205	2035.8	03.4	0561.3	0150	03.3	2143.8	02.2	0151.6	0180	02.1	2215.8	00.9	0098.5	0210	01.0	HTS
50227	0457.8	00.4	0584.4	0050	00.5	0608.0	00.9	0181.7	0065	01.0	1652.8	01.6	0076.7	0150	01.8	DEQ
50227	1450.6	01.5	0594.9	0110	01.6	1135.4	00.9	0138.9	0100	01.1	2649.4	02.1	0081.6	0240	02.2	HTS
50229	0237.2	00.0	1144.7	0040	00.1	0157.6	00.0	0331.8	0035	00.1	0114.7	00.0	0156.7	0030	00.1	DEQ
50229	0091.0	00.0	1280.1	0060	00.0	0082.0	00.0	0234.4	0055	00.0	0085.0	00.0	0774.0	0055	00.0	HTS
50237	2431.1	04.3	0181.7	0120	03.5	1992.9	03.3	0131.7	0100	02.6	2569.0	03.2	0084.2	0160	02.4	DEQ
50237	2395.9	03.9	0201.0	0150	04.1	1819.7	02.4	0131.8	0110	02.7	1765.7	01.7	0064.9	0120	01.7	HTS
50318	2239.3	04.0	0900.8	0100	05.2	2119.9	02.2	0099.4	0090	03.1	0369.6	00.0	0286.9	0020	00.1	HTS
50333	2523.8	04.1	0442.2	0110	03.6	2113.8	02.4	0197.1	0100	02.3	0375.7	00.0	0233.5	0020	00.0	HTS
54005	0044.1	00.0	1108.9	0030	00.2	0035.1	00.0	0441.4	0025	00.2	0029.1	00.0	0140.0	0025	00.1	DEQ
54005	0434.7	00.4	1557.4	0050	00.8	0832.2	01.0	0485.3	0070	00.2	0645.5	00.6	0287.9	0030	00.1	HTS
56017	2205.3	02.7	0782.0	0130	02.6	1951.0	01.5	0191.7	0125	01.5	2306.4	01.7	0091.7	0175	01.7	DEQ
56017	2549.0	04.8	0517.3	0340	01.5	3099.2	04.9	0093.8	0450	06.8	3818.8	05.2	0048.7	0600	06.0	HTS
56020	0134.2	00.0	1359.8	0020	00.0	0121.9	00.0	0391.8	0025	00.0	0094.3	00.0	0181.7	0020	00.0	DEQ
56020	0163.2	00.0	1191.3	0030	00.1	0148.2	00.0	0271.2	0030	00.1	0094.2	00.0	0161.7	0025	00.1	HTS
56029	0249.5	00.2	0974.6	0030	00.4	0237.2	00.3	0246.7	0040	00.6	0111.6	00.0	0131.7	0025	00.1	DEQ
56029	0142.2	00.1	0965.0	0015	00.0	0481.3	01.0	0200.6	0015	00.0	1132.5	00.9	0521.9	0010	00.0	HTS
60004	1157.5	00.4	1452.3	0080	00.4	1948.0	00.8	0299.3	0150	00.9	2772.1	01.5	0124.2	0240	01.7	DEQ
60004	1609.6	00.5	1395.8	0100	00.6	2440.8	01.3	1018.5	0160	01.1	3525.6	02.4	0147.1	0260	02.0	HTS
60050	0473.2	00.0	1169.7	0035	00.1	0298.5	00.1	0286.8	0030	00.2	0176.0	00.0	0174.2	0025	00.1	DEQ
60050	0247.3	00.0	1094.0	0025	00.0	0175.3	00.0	0254.2	0020	00.0	0094.2	00.0	0195.8	0020	00.0	HTS
60053	0200.5	00.0	1287.3	0030	00.1	0231.1	00.1	0391.8	0030	00.3	0145.3	00.0	0214.2	0025	00.1	DEQ
60053	0256.3	00.0	1225.4	0030	00.0	0202.3	00.0	0302.9	0040	00.0	0118.2	00.0	0210.4	0020	00.0	HTS
60056	0221.9	00.1	1079.7	0030	00.1	0323.0	00.5	0191.7	0050	00.7	0969.5	00.6	0054.2	0095	00.8	DEQ
60056	0164.3	00.0	1125.2	0040	00.0	0301.3	00.5	0161.7	0040	00.4	1585.6	00.7	0108.1	0140	00.8	HTS
60123	1036.9	01.6	0772.0	0070	00.6	0546.7	00.6	0116.7	0110	01.3	0283.2	00.0	0101.7	0040	00.1	DEQ
60123	0613.2	00.0	0896.3	0160	00.1	0285.1	00.0	0209.4	0210	00.1	0379.2	00.0	0051.6	0220	00.1	HTS
60129	1533.3	01.5	0677.1	0090	01.3	1925.5	02.1	0196.7	0110	01.5	3542.2	04.2	0069.2	0260	03.8	DEQ
60129	0331.1	00.0	1042.4	0350	00.0	0289.1	00.0	0245.8	0325	00.0	3069.2	03.0	0103.3	0400	00.9	HTS
60179	0169.8	00.0	1052.1	0040	00.0	1426.1	01.3	0226.7	0130	01.4	2460.1	01.8	0156.7	0195	01.7	DEQ
60179	0266.1	00.0	0991.0	0160	00.1	1753.7	01.5	0550.1	0290	01.9	2732.0	01.8	0176.9	0390	02.1	HTS
60193	0623.3	00.1	0907.1	0045	00.1	0393.5	00.0	0249.3	0045	00.1	0270.9	00.0	0229.2	0035	00.1	DEQ
60193	0260.3	00.0	0906.4	0040	00.0	0211.3	00.0	0242.7	0040	00.0	0148.2	00.0	0174.6	0040	00.0	HTS
60197	2924.4	04.1	0331.8	0190	04.0	2644.7	03.0	0129.2	0205	03.0	3202.4	01.7	0126.7	0270	01.7	DEQ
60197	2434.8	04.7	0164.9	0110	04.2	2242.7	04.4	0079.8	0110	04.0	2308.8	01.9	0053.1	0170	02.1	HTS
60401	1911.6	01.6	1029.4	0100	02.2	2477.9	02.7	0243.2	0150	02.6	1045.9	01.6	0177.7	0190	01.2	HTS
60450	1536.5	01.3	1628.7	0070	01.2	2087.1	01.8	1244.3	0120	02.3	3099.2	02.5	0172.3	0220	02.0	HTS
60451	0612.6	00.2	0802.6	0040	00.3	0260.8	00.0	0181.9	0030	00.0	0156.8	00.0	0193.8	0010	00.0	HTS
60503	0426.0	00.0	1084.3	0030	00.6	1404.9	01.8	0224.9	0100	02.3	1784.2	00.8	0186.7	0110	00.8	HTS
60547	0187.4	00.0	2199.3	0030	00.0	1685.4	01.9	0707.1	0130	02.0	3379.0	03.8	0093.6	0220	03.8	HTS
60549	0118.7	00.0	1458.9	0020	00.0	1737.4	01.7	0248.1	0110	01.7	0262.5	00.0	0109.7	0050	00.1	HTS
60586	0343.4	00.0	1358.9	0020	00.0	0456.6	00.2	0351.4	0030	00.1	0175.2	00.0	0360.9	0020	00.0	HTS
60594	0947.9	00.8	1107.0	0090	00.9	0244.1	00.2	0260.2	0030	00.1	0115.6	00.0	0269.9	0010	00.0	HTS
60663	0109.5	00.0	1742.8	0000	00.0	0277.8	00.0	1337.6	0080	00.2	4127.1	05.3	0080.6	0160	05.8	HTS
64015	0079.0	00.0	1327.3	0020	00.0	0091.3	00.0	0354.3	0020	00.0	0060.6	00.0	0194.2	0015	00.0	DEQ
64015	0118.1	00.0	1316.7	0040	00.0	0115.1	00.0	0324.4	0050	00.0	0079.0	00.0	0209.1	0050	00.0	HTS
64046	2673.1	03.7	0539.4	0170	03.4	2713.0	02.5	0729.5	0190	02.2	0476.2	00.0	0281.8	0050	00.0	DEQ
64048	2812.9	03.5	0536.5	0190	00.9	2758.9	02.0	0704.5	0210	00.6	0295.3	00.0	0227.4	0050	00.0	HTS
64055	1658.8	01.1	0757.3	0090	01.2	1888.2	01.9	0174.7	0120	01.9	0374.0	00.0	0217.7	0040	00.0	HTS
66022	0210.8	00.0	1247.2	0030	00.1	1653.8	01.4	0224.2	0120	01.6	2868.6	02.0	0179.2	0220	01.9	DEQ
66022	0205.3	00.0	0687.1	0040	00.1	1162.5	01.1	0176.3	0110	01.3	2341.8	01.0	0173.8	0210	01.2	HTS
66033	1407.7	01.5	1199.7	0090	01.6	2265.6	03.6	0184.2	0160	03.4	3502.2	06.1	0091.7	0240	05.6	DEQ
66033	0148.2	00.0	1412.8	0040	00.0	2242.7	02.1	0222.5	0140	02.2	3335.7	02.5	0108.1	0230	03.0	HTS
66039	2301.2	02.7	0690.4	0140	02.9	2362.4	02.4	0530.5	0160	02.6	3229.1	03.2	0136.5	0220	03.5	HTS
66045	0505.6	00.1	1058.1	0000	00.1	2628.5	02.4	0384.8	0130	02.6	5590.9	06.5	0036.3	0260	06.4	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=43 MODEL YR(S)=1975,1976
MAKE=CHEV MODEL=BELAIR IMPALA CAPRICE MALIBU WAGON

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE (GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50003	0051.4	00.0	1069.6	0020	00.0	0051.4	00.0	0259.3	0020	00.0	0033.0	00.0	0199.2	0015	00.0	DEQ
50003	0073.0	00.0	0858.1	0260	00.1	0061.0	00.0	0249.2	0280	00.1	0049.0	00.0	0123.9	0260	00.1	HTS
50004	0082.1	00.0	0907.1	0020	00.0	0109.6	00.0	0346.8	0020	00.0	0066.7	00.0	0324.3	0020	00.0	DEQ
50004	0106.2	00.0	0918.7	0030	00.0	0100.2	00.1	0178.7	0030	00.3	0610.4	00.5	0156.8	0100	00.6	HTS
50012	1668.1	02.3	1072.1	0100	02.4	1787.6	02.2	0471.9	0125	02.2	2064.0	02.7	0189.2	0200	02.5	DEQ
50012	1711.7	02.9	0993.5	0300	03.2	2056.8	03.4	0227.0	0350	04.0	2753.1	03.9	0104.2	0425	04.3	HTS
50013	0160.6	00.0	2015.1	0020	00.1	0641.7	01.0	0882.1	0065	03.0	3312.3	02.9	0174.2	0240	02.9	DEQ
50013	2125.7	01.5	1734.2	0100	05.0	4605.1	06.5	0139.8	0300	06.0	7713.8	08.9	0018.1	0400	09.0	HTS
50026	0758.1	00.0	2180.2	0035	00.1	0384.3	00.0	0682.0	0025	00.1	0586.5	00.0	0171.7	0080	00.1	DEQ
50026	0062.2	00.0	1977.6	0050	00.1	0064.2	00.0	0794.6	0040	00.1	0202.3	00.0	0176.3	0050	00.1	HTS
50032	0856.2	00.1	1302.3	0040	00.1	0558.8	00.1	0339.3	0045	00.3	2523.0	01.0	0126.7	0220	01.2	DEQ
50032	0571.3	00.1	1223.0	0040	00.1	0394.3	00.0	0344.2	0040	00.1	2719.8	01.1	0159.2	0200	01.1	HTS
50036	0176.0	00.0	1024.6	0030	00.0	0163.7	00.0	0304.3	0030	00.0	0114.7	00.0	0131.7	0025	00.0	DEQ
50036	0112.2	00.0	1062.3	0020	00.0	0103.2	00.0	0312.6	0020	00.0	0067.2	00.0	0156.8	0020	00.0	HTS
50038	1030.8	00.9	0714.5	0060	01.0	2136.9	03.3	0139.2	0140	03.4	2774.3	02.7	0096.7	0190	02.8	DEQ
50038	0232.3	00.0	0608.0	0040	00.1	1891.7	02.0	0154.4	0140	02.3	2524.8	01.4	0113.0	0190	01.5	HTS
50040	0592.7	00.0	1995.1	0050	00.0	0534.4	00.7	0947.1	0045	00.5	0470.1	00.3	0274.3	0070	00.8	DEQ
50040	0133.1	00.0	2125.7	0080	00.0	0967.4	00.7	1915.3	0150	01.5	0874.3	00.8	0160.9	0200	02.0	HTS
50042	0295.4	00.0	2087.6	0035	00.0	0954.2	01.3	1049.6	0085	01.5	0332.2	00.1	0081.7	0040	00.1	DEQ
50042	0112.2	00.0	2043.3	0050	00.0	1027.5	01.1	0996.6	0100	01.0	0481.3	00.6	0066.7	0100	01.2	HTS
50045	0231.1	00.0	1374.6	0030	00.0	0165.8	00.0	0399.3	0030	00.0	0096.3	00.0	0121.7	0030	00.0	DEQ
50045	0871.4	00.5	0996.6	0060	00.5	1090.5	00.5	0273.6	0080	00.5	0217.3	00.0	0081.3	0050	00.0	HTS
50046	1288.2	01.5	1079.7	0080	01.6	2195.2	04.1	0159.2	0140	03.7	2235.0	03.9	0089.2	0150	03.4	DEQ
50046	0490.2	00.5	0976.0	0140	00.7	1030.4	00.9	0272.1	0180	00.8	1978.8	02.5	0116.8	0270	00.3	HTS
50051	0136.1	00.0	1159.7	0020	00.1	0206.6	00.5	0281.8	0020	00.1	0099.4	00.0	0094.2	0020	00.1	DEQ
50051	0106.2	00.0	1303.3	0030	00.0	0085.2	00.0	0329.6	0030	00.0	0172.3	00.0	0091.1	0050	00.0	HTS
50059	2140.0	02.8	0754.5	0140	02.8	1833.6	02.0	0234.2	0140	02.1	0396.6	00.2	0116.7	0050	00.3	DEQ
50059	1921.7	02.8	0314.6	0230	03.1	1432.6	02.1	0151.8	0270	02.3	0760.3	00.1	0076.7	0300	00.4	HTS
50117	1306.6	00.6	1474.8	0090	00.7	3262.3	03.8	0186.7	0230	04.2	9989.7	09.1	0016.6	0640	09.2	DEQ
50117	0622.2	00.1	1464.4	0180	00.1	2559.4	02.8	0252.0	0380	03.2	9996.0	07.4	0026.6	1000	08.0	HTS
50118	0868.4	00.1	1097.2	0060	00.2	1603.8	00.3	0351.8	0120	00.4	2002.1	00.0	0074.2	0210	00.1	DEQ
50118	0781.4	00.1	1205.9	0050	00.2	1813.6	00.2	0385.6	0110	00.3	2668.8	00.0	0047.3	0275	00.1	HTS
50133	2118.6	02.7	0857.0	0130	02.6	2660.9	03.6	0111.7	0190	03.4	4391.9	05.7	0029.1	0300	05.0	DEQ
50133	2128.7	03.4	0274.3	0110	03.1	1846.6	01.9	0140.6	0100	01.4	4035.4	06.1	0036.0	0250	06.0	HTS
50153	0307.7	00.0	1234.7	0045	00.1	0197.4	00.0	0361.8	0040	00.1	0589.6	00.4	0091.7	0085	00.5	DEQ
50153	0166.1	00.0	1141.4	0050	00.0	0094.0	00.0	0298.9	0050	00.0	0328.1	00.1	0069.5	0080	00.4	HTS
50171	0258.7	00.1	1725.0	0105	00.2	0133.1	00.2	0864.5	0110	00.1	0077.9	00.0	0269.3	0090	00.1	DEQ
50171	0349.1	00.1	1469.7	0055	00.2	0112.0	00.0	0955.5	0050	00.0	0052.0	00.0	0267.5	0050	00.0	HTS
50184	0130.0	00.0	1024.6	0035	00.1	0188.2	00.2	0279.3	0040	00.1	1600.7	01.0	0151.7	0160	01.3	DEQ
50184	0130.2	00.0	1115.5	0025	00.1	0106.2	00.0	0354.5	0030	00.1	0082.2	00.0	0233.0	0025	00.0	HTS
50187	0169.8	00.0	0807.0	0040	00.1	0595.7	00.0	0179.2	0130	00.1	0295.4	00.0	0184.2	0075	00.1	DEQ
50187	0577.3	00.1	0624.4	0048	00.1	0865.4	00.7	0184.3	0082	00.8	0502.3	00.0	0160.0	0040	00.0	HTS
50259	1928.6	03.8	0356.8	0120	04.0	2235.0	03.2	0119.2	0155	03.5	4961.7	07.4	0026.6	0310	07.7	DEQ
50259	2098.5	03.5	0456.7	0150	03.6	2516.0	03.1	0138.9	0180	03.4	4825.1	06.9	0051.5	0340	07.2	HTS
50338	0253.3	00.2	0764.9	0020	00.2	0583.8	00.8	0233.5	0040	00.8	0124.8	00.0	0129.2	0020	00.0	HTS
50349	0520.9	00.7	1530.8	0030	00.8	1224.4	02.6	0628.3	0060	03.0	1931.1	02.9	0124.6	0140	03.2	HTS
50402	0517.8	00.1	1623.9	0020	00.2	2142.1	02.4	0728.6	0120	02.2	3299.1	02.6	0088.8	0200	02.2	HTS
54035	1674.3	03.9	0374.3	0065	03.6	1012.4	02.4	0169.2	0050	02.4	0653.9	01.1	0076.7	0050	00.8	DEQ
54035	1723.6	03.1	0982.0	0110	03.2	1099.5	01.9	0285.8	0085	02.4	0167.3	00.1	0122.7	0040	00.4	HTS
56022	0341.4	00.0	1990.1	0050	00.0	0369.0	00.0	1132.2	0050	00.0	2688.5	01.8	0151.7	0195	01.7	DEQ
56022	0625.2	00.7	1702.4	0200	01.2	2269.9	03.1	0893.3	0330	03.8	4438.6	06.9	0146.8	0460	07.0	HTS
60099	0166.6	00.0	0869.6	0020	00.0	0142.2	00.1	0159.2	0020	00.1	0077.9	00.0	0491.9	0020	00.0	DEQ
60099	0082.2	00.0	0913.8	0030	00.0	0094.2	00.1	0173.8	0040	00.1	0034.2	00.0	0500.0	0030	00.0	HTS
60101	0102.4	00.0	1194.7	0025	00.0	0053.2	00.0	0344.3	0025	00.0	0053.4	00.0	0109.2	0020	00.0	DEQ
60101	0112.2	00.0	1279.0	0030	00.0	0082.2	00.0	0380.8	0035	00.0	0208.3	00.7	0113.0	0042	00.7	HTS
60111	0295.4	00.0	1059.6	0020	00.1	1662.0	01.1	0199.2	0115	01.2	2667.0	01.8	0114.2	0240	01.7	DEQ
60111	0064.2	00.0	0509.8	0030	00.1	0106.2	00.1	0205.5	0020	00.1	2689.8	02.4	0069.2	0160	02.1	HTS
60114	0411.9	00.0	1297.3	0040	00.1	2317.7	02.1	0201.7	0160	02.8	4122.0	05.3	0056.7	0310	05.2	DEQ
60114	0289.3	00.0	1410.4	0010	00.0	2347.8	02.2	0210.4	0050	00.9	4785.1	05.7	0047.3	0090	01.5	HTS
60117	2832.5	03.7	0641.9	0250	03.7	2742.5	02.8	0186.7	0270	02.9	2352.7	01.1	0126.7	0300	01.6	DEQ
60117	2633.0	03.6	0750.5	0320	04.1	2693.0	02.4	0204.4	0360	03.0	2720.0	00.1	0159.3	0390	02.0	HTS
60308	1652.8	01.1	1299.8	0105	01.2	2179.8	01.7	0316.8	0165	01.8	3432.3	02.6	0104.2	0700	02.3	DEQ
60308	1297.8	01.5	0504.2	0090	01.6	0609.6	00.1	0136.5	0050	00.1	2699.4	02.3	0045.8	0570	06.2	HTS
60341	3052.4	04.2	0454.4	0175	04.2	2682.5	02.5	0169.2	0180	02.5	0743.3	00.0	0204.2	0040	00.1	DEQ
60341	3975.4	05.6	0240.8	0240	01.5	3365.7	03.1	0160.7	0230	03.3	3665.5	01.4	0114.6	0380	01.6	HTS
60351	0390.4	00.1	0874.6	0050	00.2	0249.5	00.0	0289.3	0045	00.1	0185.1	00.0	0114.2	0045	00.1	DEQ
60351	0733.7	00.5	1034.2	0080	00.6	0467.5	00.2	0459.2	0060	00.1	0176.8	00.0	0374.2	0060	00.0	HTS
60423	0141.5	00.1	0458.8	0050	00.1	0098.7	00.1	0251.1	0000	00.1	0790.1	00.7	0286.9	0050	00.4	HTS
60522	0111.0	00.0	1230.0	0025	00.0	0129.3	00.1	0267.8	0025	00.0	0068.1	00.0	0170.0	0000	00.0	HTS
60574	1936.3	01.2	1291.4	0100	01.2	1003.0	00.5	0325.7	0060	00.4	2135.2	00.5	0177.7	0150	00.4	HTS
60656	0783.9	00.0	1275.3	0050	00.1	1921.9	00.9	0282.2	0130	01.1	2285.9	00.3	0186.7	0180	00.5	HTS
60678	0211.9	00.0	1067.6	0020	00.1	2093.2	02.0	0196.2	0200	02.3	3920.4	05.3	0055.4	0310	05.6	HTS
66044	0446.1	00.0	1228.4	0030	00.1	2205.6	02.8	0201.9	0140	02.8	3495.6	04.3	0083.0	0220	04.4	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=44 MODEL YR(S)=1976

MAKE=CHEV MODEL=MONZA NOVA CAMARO LT

EPA NO	---HI (LAB)--- HC	CO	NOX	HI (GAR) HC	CO	---LO (LAB)--- HC	CO	NOX	LO (GAR) HC	CO	--IDLE (LAB)-- HC	CO	NOX	IDLE(GAR) HC	CO	LAB
50523	0159.9	00.0	0757.3	0020	00.0	1297.8	01.7	0571.0	0090	02.0	2209.4	02.4	0184.3	0145	02.5	HTS
60006	0523.3	00.1	2502.8	0040	00.1	0134.2	00.0	1554.9	0030	00.1	0082.1	00.0	0269.3	0025	00.1	DEQ
60006	0196.3	00.0	2430.3	0040	00.0	0073.2	00.0	1597.8	0040	00.0	0106.2	00.0	0147.1	0035	00.0	HTS
60008	0829.6	00.4	1059.6	0070	00.5	0207.7	00.0	0739.5	0030	00.0	0100.5	00.0	0269.3	0020	00.0	DEQ
60008	2245.7	01.5	1096.4	0140	01.5	0322.3	00.0	0536.5	0040	00.0	0181.3	00.0	0339.4	0030	00.0	HTS
60016	0234.2	00.0	2250.2	0030	00.1	0087.1	00.0	1217.2	0025	00.1	0062.6	00.0	1004.6	0020	00.1	DEQ
60016	0253.3	00.0	1495.6	0040	00.0	0082.2	00.0	1142.6	0030	00.0	0052.2	00.0	0760.0	0025	00.0	HTS
60032	0801.0	00.1	1695.0	0050	00.1	0261.7	00.0	0521.9	0040	00.1	0117.7	00.0	0189.2	0030	00.1	DEQ
60032	1432.5	00.4	1244.9	0100	00.5	0277.3	00.0	0441.6	0040	00.1	0142.2	00.0	0278.5	0030	00.0	HTS
60035	0163.7	00.0	1785.0	0030	00.0	0120.8	00.0	0494.4	0030	00.0	0081.0	00.0	0194.2	0030	00.0	DEQ
60035	0181.1	00.0	1975.4	0150	00.1	0136.1	00.0	0535.1	0175	00.1	0061.0	00.0	0312.1	0175	00.1	HTS
60048	0641.7	00.1	1669.9	0050	00.1	0240.3	00.0	0599.4	0040	00.0	0133.1	00.0	0214.2	0030	00.0	DEQ
60048	2128.8	02.4	1011.0	0230	02.9	1837.7	01.7	0810.6	0280	02.5	3149.2	01.9	0119.3	0400	02.3	HTS
60055	0255.6	00.0	1172.2	0020	00.1	0111.6	00.0	0817.0	0020	00.1	0099.4	00.0	0149.2	0010	00.1	DEQ
60055	0157.1	00.0	1033.6	0160	00.0	0085.0	00.0	1213.9	0200	00.1	0061.0	00.0	0229.5	0220	00.1	HTS
60058	0840.8	00.1	1524.9	0080	00.1	0255.6	00.0	0867.0	0040	00.0	0139.2	00.0	0469.4	0030	00.0	DEQ
60058	1792.6	00.9	1240.0	0030	00.3	0220.3	00.0	0833.5	0000	00.1	0097.2	00.0	0490.3	0000	00.1	HTS
60063	0203.5	00.0	1267.2	0030	00.1	0111.6	00.0	0441.8	0025	00.1	0160.6	00.0	0099.2	0030	00.1	DEQ
60063	0283.3	00.0	0923.6	0040	00.0	0115.2	00.0	0400.2	0030	00.0	0061.2	00.0	0534.1	0030	00.0	HTS
60068	0614.1	00.0	1422.3	0050	00.0	0316.9	00.0	0556.9	0040	00.0	0191.3	00.0	0364.3	0030	00.0	DEQ
60068	0331.3	00.0	1561.3	0030	00.0	8178.3	00.0	0636.3	0020	00.0	0106.2	00.0	0366.1	0010	00.0	HTS
60079	0706.0	00.2	0952.1	0060	00.2	1214.7	01.0	0777.0	0140	01.1	2458.7	01.5	0279.3	0220	01.6	DEQ
60079	0385.2	00.0	1436.9	0175	00.1	0316.1	00.0	0637.8	0200	00.1	1723.7	01.2	0264.5	0325	01.5	HTS
60110	1551.7	00.8	1287.3	0055	00.9	0439.5	00.0	0381.8	0040	00.1	3322.3	02.5	0124.2	0270	02.8	DEQ
60110	0301.1	00.0	1193.9	0150	00.1	0145.1	00.0	0562.6	0160	00.1	0277.1	00.1	0164.4	0210	00.6	HTS
60116	0277.1	00.0	1497.4	0050	00.1	0130.0	00.0	0636.9	0050	00.1	0096.3	00.0	0296.8	0045	00.1	DEQ
60116	0688.3	00.2	1043.6	0150	00.1	0121.1	00.0	0665.3	0210	00.1	0085.0	00.0	0304.6	0210	00.1	HTS
60132	2109.4	01.8	1059.6	0140	01.7	0252.6	00.0	0664.5	0040	00.0	0148.4	00.0	0219.2	0030	00.0	DEQ
60132	2161.8	01.7	0962.8	0230	02.0	0202.1	00.0	0803.4	0140	00.1	0112.0	00.0	0236.1	0140	00.1	HTS
60136	0240.3	00.0	1634.9	0030	00.0	0169.8	00.0	1447.3	0030	00.0	0071.8	00.0	0194.2	0020	00.0	DEQ
60136	0565.3	00.1	1152.0	0040	00.0	0232.3	00.0	0935.6	0040	00.0	0172.3	00.0	0308.3	0032	00.0	HTS
60147	3232.4	04.7	0479.4	0195	04.3	3282.3	02.4	0809.5	0225	02.3	4212.0	03.7	0089.2	0340	03.6	DEQ
60147	2768.1	03.1	0692.4	0330	04.8	0787.3	00.5	0163.0	0250	00.3	3618.9	01.9	0115.4	0560	02.3	HTS
60150	1211.6	00.5	1254.7	0065	00.6	0390.4	00.0	0887.1	0030	00.1	0228.0	00.0	0334.3	0025	00.1	DEQ
60150	1393.5	00.7	1378.1	0110	00.7	0364.3	00.1	1113.1	0060	00.2	0211.3	00.0	0330.2	0045	00.1	HTS
60156	0372.1	00.0	1349.8	0045	00.1	0234.2	00.0	0784.5	0040	00.1	0537.5	00.3	0066.7	0110	00.5	DEQ
60156	0424.3	00.0	1310.0	0050	00.0	0250.3	00.0	0670.6	0040	00.0	2551.8	01.4	0106.6	0220	01.4	HTS
60192	1392.4	00.8	1212.2	0100	01.0	0598.8	00.0	0872.1	0160	00.1	3232.4	04.8	0054.2	0260	04.8	DEQ
60192	1444.5	00.7	1246.8	0100	00.7	0553.3	00.0	0938.0	0050	00.0	4965.0	05.8	0057.9	0360	05.2	HTS
60214	4082.0	08.1	0134.2	0280	08.0	2312.7	01.5	0341.8	0180	01.8	0733.3	00.0	0249.3	0060	00.1	DEQ
60214	3289.1	07.9	0120.2	0225	08.0	2529.4	04.5	0115.4	0175	04.3	0370.4	00.0	0105.7	0075	00.0	HTS
60219	0160.6	00.0	1639.9	0040	00.1	0111.6	00.0	0499.4	0045	00.1	0081.0	00.0	0220.7	0039	00.1	DEQ
60219	0229.1	00.0	1245.2	0060	00.0	0091.0	00.0	0431.7	0050	00.0	0052.0	00.0	0214.4	0050	00.0	HTS
60241	1150.3	00.7	1249.7	0085	00.8	0632.5	00.0	0584.4	0065	00.1	1193.2	00.8	0121.7	0160	01.1	DEQ
60241	0274.1	00.0	1283.9	0050	00.0	0331.1	00.0	0583.7	0055	00.0	0415.2	00.2	0100.9	0075	00.2	HTS
60310	0601.9	00.0	1414.8	0060	00.1	0270.5	00.0	0651.9	0050	00.1	0191.3	00.0	0339.3	0045	00.1	DEQ
60310	1076.5	00.3	0917.8	0100	00.3	0311.5	00.0	0614.5	0070	00.0	0201.3	00.0	0413.1	0060	00.0	HTS
60316	0255.6	00.0	1487.3	0035	00.1	0240.3	00.0	1182.2	0050	00.1	0234.2	00.0	0386.8	0055	00.1	DEQ
60316	0274.7	00.0	1529.2	0040	00.0	0268.6	00.0	1155.6	0050	00.0	0225.8	00.0	0350.0	0050	00.0	HTS
60318	0390.4	00.0	1404.8	0040	00.1	0286.3	00.0	0967.1	0040	00.1	1815.2	01.0	0154.2	0175	01.1	DEQ
60318	0686.0	00.2	0750.1	0100	00.3	0471.9	00.0	0487.5	0080	00.0	1931.1	01.1	0134.1	0240	01.2	HTS
60386	2845.9	01.6	1395.8	0150	01.6	4295.3	03.9	0519.8	0280	03.3	9992.8	10.5	0036.9	0600	09.8	HTS
60414	1239.7	01.4	0504.2	0050	01.2	0915.5	00.4	0072.1	0030	00.4	1606.8	01.0	0081.6	0060	00.8	HTS
60416	1726.1	01.9	0399.1	0050	02.0	0242.5	00.0	0124.6	0000	00.1	3099.2	04.6	0072.1	0160	04.5	HTS
60471	2569.7	03.0	0697.0	0060	03.2	0308.4	00.1	0245.6	0020	00.4	2554.4	00.9	0151.0	0160	01.0	HTS
60489	3259.1	03.2	0742.9	0200	03.2	1170.1	00.0	0494.6	0100	00.0	1819.8	00.6	0148.5	0160	00.8	HTS
60497	0903.2	00.3	1908.0	0100	00.4	1882.1	01.0	0800.2	0200	01.5	4268.6	05.9	0091.2	0300	05.5	HTS
60550	1414.1	01.2	1101.1	0080	01.2	0251.7	00.0	0599.7	0040	00.0	0129.3	00.0	0127.0	0020	00.0	HTS
60552	0603.5	00.1	1208.5	0050	00.2	0315.9	00.0	0477.9	0040	00.0	0181.3	00.0	0224.9	0020	00.0	HTS
60575	1186.6	00.1	1194.4	0050	00.1	0492.0	00.0	0522.2	0040	00.0	0299.2	00.0	0269.9	0020	00.0	HTS
60665	1817.9	00.7	1239.5	0120	00.8	1068.4	00.2	0523.3	0090	00.2	5490.9	06.0	0057.7	0390	06.0	HTS
60712	1505.9	00.4	0728.6	0080	00.7	2087.1	00.8	0528.1	0150	00.9	4470.5	02.8	0084.0	0210	02.8	HTS
60716	1435.5	00.4	1041.4	0120	00.6	0374.0	00.0	0800.2	0040	00.0	0169.1	00.0	0177.1	0020	00.0	HTS
66025	0546.7	00.0	1214.7	0050	00.0	0454.8	00.0	0451.8	0045	00.0	4301.9	05.4	0056.7	0360	05.2	DEQ
66025	0424.3	00.0	0930.9	0050	00.0	0220.3	00.0	0065.0	0040	00.0	3605.6	01.1	0181.1	0240	01.2	HTS
66035	0850.0	00.0	1612.4	0050	00.1	0387.4	00.0	0892.1	0040	00.1	0301.6	00.0	0804.5	0040	00.1	DEQ
66035	0674.3	00.2	1507.0	0130	00.3	0214.1	00.0	0773.1	0120	00.1	0142.1	00.0	0535.1	0120	00.1	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

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CELL NC=45    MODEL YR(S)=1976
   MAKE=CHEV                      MODEL=MALIBU MALIBU CLASSIC MONTE CARLO
              ---HI (LAB)---      HI (GAR)       ---LO (LAB)---      LO (GAR)        --IDLE (LAB)--      IDLE(GAR)
EPA NO       HC     CO    NOX     HC    CO      HC     CO    NOX     HC    CO      HC     CO    NOX     HC    CO LAB

60011    0194.3 00.0 1174.7   0035 00.1   0151.4 00.0 0334.3   0030 00.1   0105.5 00.0 0124.2   0025 00.1 DEQ
60011    0139.1 00.0 1311.6   0200 00.1   0088.0 00.0 0417.4   0160 00.1   0040.0 00.0 0252.0   0140 00.1 HTS
60076    1662.0 01.3 1314.8   0110 01.2   1171.8 00.9 0381.8   0065 01.1   3162.4 03.1 0129.2   0260 02.8 DEQ
60078    0904.4 00.5 1120.7   0050 00.5   0289.3 00.0 0526.8   0030 00.0   1654.6 01.0 0161.7   0130 00.8 HTS
60120    2222.7 00.9 1374.8   0150 00.9   2326.9 00.6 0669.5   0185 00.7   6521.1 08.0 0034.1   0540 08.0 DEQ

60120    1582.6 00.7 1401.8   0230 00.8   1456.6 00.6 0525.1   0300 00.9   8046.9 05.9 0036.6   0750 06.0 HTS
60127    3162.4 02.9 1052.1   0180 03.0   2782.5 01.3 0724.5   0200 01.7   4871.7 05.8 0101.7   0320 05.0 DEQ
60127    1435.5 00.6 1059.9   0100 00.6   0517.3 00.2 0699.6   0060 00.1   3825.5 01.8 0105.7   0280 01.7 HTS
60157    0672.3 00.4 0934.6   0065 00.4   2782.5 04.0 0339.3   0230 04.9   9989.7 09.7 0019.1   1150 10.0 DEQ
60157    0184.1 00.0 1315.2   0180 00.1   2074.8 01.8 0583.7   0380 02.4   9996.0 08.3 0052.6   1100 09.2 HTS

60160    0794.9 01.0 0812.0   0020 01.0   0136.1 00.1 0521.9   0030 00.1   0087.1 00.0 0952.1   0030 00.1 DEQ
60160    1237.5 00.7 1088.8   0085 00.8   0169.2 00.0 0585.5   0025 00.0   0082.2 00.0 0726.5   0020 00.0 HTS
60167    1842.8 01.8 1184.7   0140 01.7   0402.7 00.0 0849.5   0050 00.1   1573.2 00.5 0084.2   0150 00.6 DEQ
60167    2140.8 02.4 1038.6   0250 03.0   0307.1 00.0 0770.6   0175 00.1   2014.8 00.6 0119.3   0350 00.9 HTS
60188    0546.7 00.0 1975.1   0040 00.1   0362.9 00.0 0672.0   0035 00.1   0249.5 00.0 0264.3   0030 00.1 DEQ

60188    0523.2 00.1 1288.7   0200 00.1   0226.1 00.0 0564.4   0220 00.1   0148.1 00.0 0243.3   0250 00.1 HTS
60215    1426.1 00.7 1745.0   0090 00.9   0258.7 00.0 0942.1   0045 00.1   0142.2 00.0 0241.7   0035 00.1 DEQ
60215    1282.5 01.4 0697.3   0070 01.6   0337.3 00.0 0429.9   0060 00.0   1150.5 00.2 0130.9   0090 00.2 HTS
60222    0148.4 00.0 1347.3   0032 00.1   0059.4 00.0 0549.4   0030 00.1   0761.2 00.4 0236.7   0100 00.6 DEQ
60222    0229.1 00.0 0953.1   0050 00.0   0109.0 00.0 0451.0   0040 00.0   0070.0 00.0 0344.7   0040 00.0 HTS

60233    0347.5 00.0 1947.6   0050 00.1   0237.2 00.0 0714.5   0050 00.1   0203.5 00.0 0481.9   0050 00.1 DEQ
60233    0409.2 00.1 1394.9   0060 00.1   0256.1 00.0 0639.3   0060 00.0   0244.1 00.0 0419.6   0060 00.0 HTS
60276    0151.4 00.0 0964.6   0030 00.1   0126.9 00.0 0384.3   0030 00.1   0537.5 00.3 0049.2   0060 00.3 DEQ
60276    0316.3 00.3 0519.8   0040 00.4   0118.2 00.0 0405.8   0030 00.0   0295.3 00.2 0056.4   0050 00.2 HTS
60277    0160.6 00.0 1642.4   0030 00.1   0142.2 00.0 0484.4   0030 00.1   0081.0 00.0 0374.3   0025 00.1 DEQ

60277    0628.4 00.3 1102.2   0100 00.4   0199.3 00.0 0447.0   0035 00.0   0547.3 00.3 0209.2   0100 00.4 HTS
60284    0286.3 00.0 1860.0   0040 00.1   0246.4 00.0 0611.9   0050 00.1   0176.0 00.0 0261.8   0040 00.1 DEQ
60284    0541.2 00.0 1542.7   0090 00.1   0334.1 00.0 0494.6   0080 00.0   0256.1 00.1 0158.0   0070 00.1 HTS
60329    0966.5 01.0 0807.0   0080 01.1   0270.9 00.0 0294.3   0040 00.1   1662.0 01.4 0086.7   0160 01.5 DEQ
60329    1223.3 01.3 0828.0   0120 01.7   0256.4 00.0 0325.7   0070 00.1   2043.4 01.5 0100.0   0180 01.4 HTS

60394    1921.0 01.5 1713.7   0120 01.4   0400.2 00.0 0553.8   0045 00.0   3435.6 01.7 0172.8   0250 02.8 HTS
60411    3355.7 02.5 0905.6   0120 02.2   4025.4 02.5 0442.2   0200 02.4   9473.1 10.3 0039.4   0360 07.8 HTS
60422    0267.0 00.0 1688.4   0025 00.0   0591.2 00.0 0492.3   0100 00.0   3748.9 01.0 0282.2   0400 00.8 HTS
60429    2408.3 02.8 1156.0   0150 03.0   0325.1 00.1 0475.5   0050 00.6   0172.1 00.0 0160.4   0000 00.0 HTS
60436    0404.6 00.0 1497.4   0030 00.1   0218.0 00.0 0556.7   0020 00.0   0227.2 00.1 0053.0   0020 00.1 HTS

60446    0441.3 00.0 2060.5   0050 00.2   0144.6 00.0 0731.0   0020 00.0   0080.4 00.0 0232.0   0000 00.0 HTS
60472    0259.4 00.0 2619.0   0010 00.0   0170.7 00.0 0430.0   0000 00.0   0155.4 00.0 0337.8   0000 00.0 HTS
60553    0395.4 00.1 0947.2   0025 00.1   0165.1 00.0 0210.5   0020 00.0   0447.4 00.3 0069.7   0020 00.2 HTS
60556    0251.7 00.1 1019.9   0025 00.1   0123.2 00.0 1106.2   0020 00.1   0973.6 00.4 0105.5   0105 00.5 HTS
60591    0441.3 00.1 1264.9   0040 00.1   0150.7 00.0 0559.1   0000 00.0   0077.3 00.0 0160.4   0000 00.0 HTS

60595    0788.8 00.5 1043.9   0080 00.8   0176.8 00.0 0609.6   0020 00.0   0091.1 00.0 0250.5   0020 00.0 HTS
60608    3060.1 02.4 1179.8   0190 02.7   0889.4 00.2 0258.3   0090 00.4   4970.7 02.9 0136.5   0400 03.2 HTS
60609    0641.9 00.1 0980.9   0050 00.2   0274.7 00.0 0451.9   0050 00.1   1413.1 00.7 0138.9   0160 00.8 HTS
60617    0374.0 00.1 1108.2   0020 00.1   0343.4 00.0 0731.0   0020 00.0   3440.2 02.7 0129.4   0240 02.8 HTS
60625    0355.7 00.0 1478.3   0040 00.0   0172.1 00.0 0692.8   0020 00.0   0107.9 00.0 0516.1   0010 00.0 HTS

60630    1636.4 00.8 1349.7   0060 01.0   0507.3 00.0 0655.7   0200 00.7   4037.1 01.8 0131.6   0100 00.6 HTS
60641    1339.6 00.3 1403.1   0100 00.5   0311.5 00.0 0760.0   0050 00.0   0158.5 00.0 0366.9   0030 00.0 HTS
60643    0274.7 00.0 2298.5   0040 00.0   0152.3 00.0 1352.1   0030 00.0   0115.6 00.0 0308.7   0020 00.0 HTS
60649    0808.4 00.0 1234.8   0050 00.0   0358.7 00.0 0363.3   0020 00.0   0242.5 00.0 0253.5   0010 00.0 HTS
60659    0600.4 00.2 0554.3   0100 00.6   0156.8 00.0 0406.3   0040 00.0   0101.8 00.0 0122.2   0020 00.0 HTS

66001    0116.1 00.0 0902.1   0025 00.0   0110.1 00.0 0289.4   0015 00.0   1325.5 01.3 0042.8   0140 01.3 DEQ
66001    0470.8 00.0 0672.8   0030 00.1   0205.8 00.0 0375.4   0030 00.1   2735.4 02.1 0123.0   0230 01.9 HTS
66023    0522.2 00.0 2067.6   0065 00.0   0353.5 00.0 0669.5   0065 00.0   0752.0 00.0 0334.3   0110 00.0 DEQ
66023    0757.3 00.0 1882.8   0180 00.1   0379.2 00.0 0602.7   0220 00.1   0562.2 00.0 0324.7   0300 00.1 HTS
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APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=46   MODEL YR(S)=1976,1977
MAKE=CHEV   MODEL=CHEVETTE

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
60083	1882.6	01.2	1417.3	0140	01.2	0255.6	00.0	2502.8	0040	00.0	1141.1	00.7	0349.3	0100	00.7	DEQ
60083	1684.6	00.8	1439.4	0235	01.3	0142.1	00.0	2511.5	0210	01.0	1618.6	01.0	0349.7	0300	01.4	HTS
60094	1441.4	00.2	1624.9	0050	00.3	0338.3	00.0	2502.8	0050	00.1	1251.4	00.5	0274.3	0110	00.5	DEQ
60094	1747.6	00.6	1512.6	0115	00.6	0268.3	00.0	2430.3	0050	00.0	2062.7	01.1	0349.1	0170	01.1	HTS
60100	2569.0	00.3	2400.3	0140	00.4	2437.2	00.1	2502.8	0170	00.2	3542.2	01.3	0309.3	0270	01.3	DEQ
60100	2290.9	00.3	2301.1	0220	00.4	2395.9	00.1	2511.5	0300	00.3	4678.4	02.8	0247.0	0460	03.2	HTS
60171	2516.9	02.3	1682.4	0110	01.4	0641.7	00.3	1652.4	0060	00.2	1514.9	01.1	0334.3	0190	01.2	DEQ
60171	1015.4	00.3	1773.1	0080	00.5	0235.3	00.0	2430.3	0050	00.0	0115.2	00.0	0232.3	0030	00.1	HTS
60174	1882.6	00.3	1927.6	0110	00.4	1735.5	00.1	2502.8	0130	00.1	2590.4	02.0	0166.7	0240	02.1	DEQ
60174	2041.6	00.4	2153.3	0200	00.6	2395.9	00.1	2511.5	0260	00.2	2849.1	01.2	0139.3	0310	01.6	HTS
60176	1033.9	00.2	1697.5	0050	00.2	0277.1	00.0	1752.5	0050	00.1	2394.3	02.2	0171.7	0200	02.2	DEQ
60176	2623.8	00.9	1843.7	0160	00.9	0703.4	00.0	1960.5	0070	00.1	3805.5	02.7	0154.4	0270	02.6	HTS
60206	2535.3	01.2	2005.1	0150	01.2	1141.1	00.0	2502.8	0090	00.1	3922.1	06.6	0089.2	0320	06.6	DEQ
60206	2849.3	02.0	1474.6	0180	02.4	1400.0	00.1	1776.3	0090	00.2	4768.4	07.2	0043.0	0350	07.8	HTS
60226	2611.9	03.3	1379.8	0160	03.2	2149.2	00.8	0842.0	0180	00.9	2706.8	02.1	0186.7	0200	02.0	DEQ
60226	2603.0	03.0	1440.8	0210	03.1	1354.5	00.4	1701.5	0160	00.6	2693.0	02.0	0212.0	0250	02.2	HTS
60268	1024.7	00.9	1212.2	0080	01.0	0298.5	00.0	1980.1	0040	00.1	1747.8	02.2	0129.2	0180	02.2	DEQ
60268	0784.4	00.7	1182.3	0060	00.3	0232.3	00.0	1919.9	0040	00.0	2356.8	02.7	0102.5	0200	00.7	HTS
60274	2296.3	01.1	1767.5	0140	01.1	0390.4	00.0	2502.8	0050	00.1	0179.0	00.0	0359.3	0040	00.1	DEQ
60274	1774.7	01.5	0492.3	0090	00.7	1195.5	00.9	0215.3	0080	01.0	0220.1	00.0	0272.6	0040	00.1	HTS
60286	2008.2	02.2	1052.1	0130	02.4	1107.4	00.9	1004.6	0110	01.4	1799.9	01.4	0246.7	0160	02.1	DEQ
60286	1612.6	01.4	1306.0	0110	01.5	0184.3	00.2	1005.1	0040	00.4	0988.4	00.9	0260.2	0100	01.0	HTS
60345	2198.2	01.5	0982.1	0135	01.6	0470.1	00.1	0214.2	0045	00.2	0258.7	00.0	0246.7	0030	00.1	DEQ
60345	2260.7	02.1	0789.2	0150	02.0	0375.7	00.1	1097.3	0020	00.1	0182.9	00.0	0357.2	0010	00.0	HTS
60361	1842.4	01.4	1712.2	0160	00.5	0741.1	00.5	0936.3	0050	00.0	2561.2	03.5	0124.6	0250	03.5	HTS
60367	2010.6	05.3	0845.6	0130	03.2	0707.5	00.5	0731.0	0100	00.6	2653.0	03.6	0086.4	0110	03.7	HTS
60490	2572.8	02.1	1616.6	0100	02.2	0680.6	00.1	1733.1	0080	00.2	3375.7	03.5	0138.9	0180	03.4	HTS
60501	3079.2	05.9	0368.1	0260	05.2	3379.0	03.3	0310.8	0220	03.2	3049.2	02.6	0095.9	0200	02.5	HTS
60533	0513.4	00.1	0966.3	0030	00.1	0195.2	00.0	1939.3	0020	00.0	1798.6	01.2	0160.7	0120	01.2	HTS
60546	2414.4	01.3	2015.5	0150	01.4	0478.0	00.0	2397.4	0090	00.0	2292.0	01.7	0103.1	0190	01.7	HTS
60583	1735.3	01.1	1676.4	0100	01.2	0297.6	00.0	2397.4	0030	00.0	0267.0	00.3	0091.2	0000	00.2	HTS
60607	1559.9	01.6	0427.6	0060	01.6	0235.0	00.1	0495.6	0030	00.1	3636.9	03.8	0138.9	0270	03.8	HTS
60631	2726.4	01.1	1977.3	0140	01.2	1325.4	00.0	2397.4	0120	00.0	3800.3	03.7	0148.5	0240	03.4	HTS
60645	2630.0	00.2	1614.9	0150	00.2	1389.6	00.0	2361.6	0100	00.1	9992.3	10.2	0105.5	0900	09.7	HTS
60657	2716.6	01.8	1665.1	0150	01.8	0828.6	00.0	2436.8	0080	00.0	4657.3	05.6	0083.0	0270	05.8	HTS
60658	0366.5	00.0	1364.2	0030	00.1	0262.5	00.0	1907.8	0040	00.1	3146.8	03.2	0206.8	0160	02.6	HTS
60673	2022.8	01.6	1323.1	0110	01.9	0447.4	00.0	2146.8	0080	00.0	1986.1	01.5	0177.1	0140	01.6	HTS
60680	3630.3	04.2	0933.9	0200	04.4	5520.9	08.1	0255.9	0390	08.3	4820.7	07.0	0081.6	0310	07.1	HTS
60715	2888.0	02.9	1097.3	0180	03.2	0290.0	00.1	1507.4	0050	00.2	2276.0	02.5	0114.6	0160	02.6	HTS
60732	2451.1	02.9	1060.5	0140	03.0	1680.2	00.3	1996.4	0120	00.3	1200.0	07.7	0160.4	0240	07.2	HTS
64013	0697.9	00.2	1272.2	0040	00.3	0164.8	00.0	2277.7	0020	00.1	0106.6	00.0	0251.8	0015	00.1	DEQ
64013	1099.5	00.5	1380.2	0070	00.5	0151.2	00.0	2498.4	0020	00.0	0085.2	00.0	0419.6	0010	00.0	HTS
70066	0145.3	00.0	2502.8	0040	00.0	0090.2	00.0	1087.2	0030	00.0	2029.7	02.6	0134.2	0190	02.6	DEQ
70066	0391.2	00.0	2499.0	0180	00.1	0199.1	00.0	1439.4	0200	00.1	3549.0	04.2	0096.7	0450	04.8	HTS
70080	1542.5	01.0	1662.4	0110	01.1	0301.6	00.0	2502.8	0050	00.1	1809.1	01.7	0159.2	0180	02.3	DEQ
70080	1117.4	00.6	1752.5	0210	00.7	0166.1	00.0	2511.5	0200	00.1	1720.7	01.3	0272.1	0330	01.7	HTS
70228	2330.0	01.9	1522.4	0160	02.0	0666.2	00.0	1317.3	0060	00.1	3112.4	04.5	0111.7	0260	05.6	DEQ
70228	2158.7	01.3	1562.8	0190	01.3	0716.4	00.1	0906.4	0060	00.0	3295.7	03.6	0109.0	0270	03.4	HTS
70320	0289.3	00.1	0344.3	0045	00.2	0191.3	00.0	1534.9	0040	00.1	0877.6	00.9	0189.2	0095	01.0	DEQ
70320	1960.6	01.6	1471.0	0160	02.0	0222.7	00.1	1320.6	0050	00.0	2364.7	03.0	0143.7	0220	04.1	HTS
70330	1927.1	02.1	1381.2	0160	01.5	0253.3	00.0	1247.8	0055	00.1	0134.0	00.0	0138.9	0050	00.1	HTS
70368	0921.6	00.4	1908.0	0050	00.6	0331.2	00.0	0618.8	0050	00.1	4108.7	07.0	0067.3	0230	04.6	HTS
70400	1004.2	00.6	2247.0	0080	01.2	0380.1	00.2	0933.9	0020	00.0	3079.2	07.1	0095.9	0200	07.5	HTS
70463	1354.9	00.4	1907.8	0100	00.5	0391.0	00.0	0854.7	0010	00.0	1134.6	00.8	0185.0	0030	00.9	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=47 MODEL YR(S)=1976,1977

MAKE=CHEV MODEL=CHEVETTE

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		LAB
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	
60088	2789.6	00.6	2502.8	0190	00.6	1193.2	00.0	2502.8	0120	00.0	0847.0	00.3	0094.2	0090	00.4	DEQ
60088	2522.0	01.0	1311.6	0220	01.5	0649.3	00.0	1213.9	0220	00.1	3369.1	02.1	0089.2	0450	00.7	HTS
60155	2176.6	03.5	1557.3	0150	03.2	1288.2	00.5	1689.9	0120	00.6	4501.9	06.6	0064.2	0240	06.8	DEQ
60155	1936.7	02.0	1675.3	0260	02.3	1678.6	00.6	1674.9	0320	00.6	4178.7	05.7	0055.0	0390	06.1	HTS
60177	1285.1	00.5	1997.6	0090	00.6	0298.5	00.0	1534.9	0040	00.1	1230.0	01.0	0096.7	0095	01.1	DEQ
60177	2561.0	01.4	2313.6	0300	01.8	0451.2	00.0	2005.5	0225	00.1	1366.5	01.3	0342.2	0325	01.7	HTS
60182	2372.9	01.4	2445.3	0160	01.5	0387.4	00.0	2295.2	0070	00.0	0169.8	00.1	0114.2	0040	00.1	DEQ
60182	2638.8	01.5	2430.3	0170	01.7	0385.3	00.0	2223.4	0060	00.0	0334.3	00.2	0098.4	0050	00.3	HTS
60198	2103.2	00.5	2495.3	0150	00.6	0516.1	00.0	2487.8	0050	00.1	0365.9	00.4	0129.2	0055	00.5	DEQ
60198	2726.0	01.0	2428.2	0440	01.3	0400.2	00.0	2428.2	0370	00.1	0775.3	00.7	0142.0	0420	01.2	HTS
60221	2602.7	02.7	1357.3	0170	02.7	0411.9	00.0	1497.4	0070	00.1	3292.3	04.7	0054.2	0230	04.2	DEQ
60221	2504.0	01.7	1571.1	0170	02.0	0565.2	00.0	1981.5	0070	00.1	3479.0	04.3	0098.5	0270	04.3	HTS
60257	3792.1	05.3	0714.5	0250	05.1	3332.3	02.3	1237.2	0245	02.2	2052.8	01.9	0104.2	0155	02.1	DEQ
60257	4695.1	03.2	1322.2	0200	03.1	3445.6	01.2	1404.8	0200	01.1	2456.1	01.8	0130.9	0120	02.0	HTS
60258	2812.5	01.5	2502.8	0180	01.5	0823.3	00.0	2317.8	0055	00.1	0493.4	00.0	0211.7	0040	00.1	DEQ
60258	1961.7	00.8	2438.1	0150	00.9	0307.3	00.0	2323.8	0060	00.0	0112.2	00.0	0082.2	0035	00.0	HTS
60279	2550.6	02.5	1967.6	0140	02.7	0543.6	00.0	1447.3	0040	00.1	1919.4	02.3	0101.7	0110	01.9	DEQ
60279	2410.9	02.1	2053.6	0180	02.2	0385.2	00.0	2134.8	0070	00.1	2140.8	02.4	0100.7	0170	02.2	HTS
60300	2792.5	02.9	1667.4	0140	02.7	0713.3	00.0	1479.8	0055	00.1	6321.1	08.5	0039.1	0350	07.6	DEQ
60300	1318.5	00.4	1998.7	0080	00.5	0550.2	00.0	1385.2	0045	00.1	5368.1	07.4	0057.7	0400	07.4	HTS
60315	0451.7	00.0	2467.8	0050	00.1	0280.1	00.0	1604.9	0050	00.1	3922.1	05.7	0139.2	0260	05.3	DEQ
60315	0140.1	00.0	0779.5	0040	00.0	0250.3	00.0	0437.3	0050	00.0	7294.0	06.9	0073.3	0540	06.0	HTS
60326	0130.0	00.0	0571.9	0025	00.1	0084.0	00.0	0399.3	0025	00.1	0804.1	00.8	0076.7	0050	00.6	DEQ
60326	0894.1	00.7	0700.0	0070	00.8	0297.6	00.0	0544.8	0050	00.0	2347.1	01.8	0088.8	0160	01.9	HTS
60371	4018.7	05.7	0673.7	0260	05.8	3738.9	02.1	1354.1	0280	02.2	4028.7	04.2	0081.6	0240	04.2	HTS
60377	0611.3	00.0	2436.8	0050	00.0	0253.3	00.0	1854.4	0020	00.0	1171.3	00.3	0066.1	0100	00.2	HTS
60482	0783.9	00.2	0709.5	0050	00.2	0291.4	00.0	2163.5	0050	00.1	0181.3	00.0	0129.4	0020	00.1	HTS
60486	2765.6	01.9	2133.4	0100	02.0	2975.8	00.3	2436.8	0200	00.2	2076.2	01.1	0163.1	0200	01.0	HTS
60502	1872.9	01.3	2142.0	0100	01.3	0982.8	00.0	1418.0	0070	00.0	4328.6	07.0	0079.2	0230	06.8	HTS
60509	1441.6	00.5	1943.8	0120	00.8	0627.9	00.0	1409.0	0100	00.0	0493.3	00.6	0093.6	0060	00.6	HTS
60524	0283.9	00.0	2436.8	0050	00.0	0124.8	00.0	1970.9	0040	00.0	0075.8	00.0	0206.8	0030	00.0	HTS
60534	0568.2	00.3	1177.5	0040	00.3	0242.5	00.0	1108.2	0025	00.0	1369.6	01.4	0074.5	0090	01.4	HTS
60536	0605.2	00.0	2436.8	0040	00.0	0216.6	00.0	2436.8	0020	00.0	0158.5	00.2	0148.6	0000	00.1	HTS
60597	4257.2	02.9	1701.5	0240	02.8	2956.7	00.5	1927.2	0200	00.5	5367.5	06.4	0136.4	0280	06.8	HTS
60598	0263.9	00.0	2397.4	0030	00.0	0120.1	00.0	2259.0	0020	00.0	0395.4	00.4	0076.8	0020	00.4	HTS
60606	4610.6	03.9	1263.4	0280	04.0	1129.5	00.1	1282.5	0100	00.1	1609.6	00.5	0086.4	0140	00.9	HTS
60634	0798.0	00.8	1412.8	0060	00.8	0176.8	00.0	1560.8	0030	00.0	0164.6	00.3	0049.1	0020	00.3	HTS
60638	0645.0	00.0	2436.8	0060	00.0	0332.9	00.0	1992.7	0050	00.0	3186.8	04.0	0131.6	0160	04.0	HTS
60646	2976.7	01.9	1745.2	0160	02.0	0535.8	00.0	1514.7	0040	00.0	0255.8	00.0	0136.4	0020	00.0	HTS
60648	0207.4	00.0	1936.9	0000	00.0	0124.8	00.0	2196.5	0000	00.0	1431.4	01.7	0143.7	0080	01.6	HTS
60675	2646.9	01.4	1951.0	0120	01.5	0645.1	00.0	1769.5	0060	00.0	4870.7	06.6	0045.8	0240	06.6	HTS
60692	2267.6	00.6	2199.3	0140	00.8	0404.6	00.0	2301.9	0040	00.0	2429.7	01.9	0127.0	0140	01.9	HTS
60703	0924.6	00.1	1884.1	0060	00.1	0640.2	00.0	1986.8	0060	00.0	3960.4	04.4	0088.8	0220	04.2	HTS
60704	1680.2	00.8	2201.7	0100	00.8	0389.3	00.0	1626.3	0040	00.0	0141.5	00.1	0067.3	0020	00.0	HTS
64018	1764.1	01.3	2502.8	0110	01.3	0299.6	00.0	2502.8	0050	00.0	2036.8	01.5	0229.2	0160	01.4	DEQ
64018	1762.6	00.6	2498.4	0080	00.7	0574.3	00.0	2428.3	0020	00.1	3205.7	02.1	0074.4	0210	02.2	HTS
70064	2109.4	01.4	1392.3	0200	02.4	0310.8	00.0	2502.8	0050	00.1	0145.3	00.0	0106.7	0030	00.1	DEQ
70064	2308.9	01.1	1414.3	0260	01.1	0292.1	00.0	2511.5	0240	00.1	0103.0	00.0	0201.9	0260	00.1	HTS
70068	0160.6	00.0	2070.1	0035	00.0	0102.4	00.0	0514.4	0030	00.0	1600.7	02.2	0101.7	0120	02.3	DEQ
70068	0229.1	00.0	2251.0	0180	00.1	0214.1	00.0	0580.2	0220	00.1	2218.8	03.6	0099.2	0390	04.1	HTS
70249	2612.6	03.6	0789.5	0180	02.7	0463.4	00.2	1707.5	0040	00.3	0193.6	00.0	0076.7	0030	00.1	DEQ
70249	2059.7	01.1	0973.6	0130	01.3	0289.3	00.0	1473.4	0050	00.1	0172.3	00.0	0172.8	0040	00.1	HTS
70339	2013.7	01.5	1361.3	0150	01.8	0315.9	00.0	2182.6	0050	00.0	0153.8	00.0	0119.8	0020	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=48   MODEL YR(S)=1975,1976

MAKE=PONT   MODEL=PCNT GRAND AM LEMANS CATALINA GRAND PRIX BONNEVILLE

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50053	0084.0	00.0	2200.2	0030	00.0	0093.2	00.0	1012.1	0030	00.0	0139.2	00.0	0141.7	0040	00.0	DEQ
50053	0163.2	00.0	1997.0	0030	00.0	0130.2	00.0	0977.1	0040	00.0	0166.2	00.0	0132.5	0040	00.0	HTS
50057	0179.0	00.0	0967.1	0030	00.0	0225.0	00.0	0872.1	0040	00.0	2884.6	02.4	0079.2	0220	02.3	DEQ
50057	0265.3	00.0	1115.9	0040	00.0	0277.3	00.0	1038.0	0050	00.0	3335.7	02.4	0078.9	0250	02.4	HTS
50064	0433.3	00.0	1262.2	0040	00.1	0693.8	00.0	0849.5	0075	00.1	3922.1	04.6	0051.7	0310	04.1	DEQ
50064	0400.2	00.0	1501.6	0180	00.1	1210.5	00.1	0788.1	0260	00.2	5777.9	06.4	0069.2	0640	07.1	HTS
50106	0176.0	00.0	0832.0	0030	00.1	0151.4	00.0	1032.1	0040	00.1	0139.2	00.0	0246.7	0040	00.1	DEQ
50106	0097.2	00.0	1076.9	0030	00.0	0094.2	00.0	0782.4	0030	00.0	0052.2	00.0	0066.7	0030	00.0	HTS
50107	1193.2	00.6	1034.6	0050	00.6	0467.0	00.0	0812.0	0060	00.1	0657.0	00.2	0514.4	0140	00.5	DEQ
50107	0400.2	00.0	0783.1	0180	00.1	0376.1	00.0	0527.6	0210	00.1	1087.4	00.4	0129.3	0260	00.7	HTS
50123	0117.7	00.1	0274.3	0025	00.1	1600.7	00.1	0154.2	0150	00.2	1469.0	00.4	0096.7	0120	00.4	DEQ
50123	0166.1	00.1	0267.1	0125	00.2	1285.5	00.1	0154.3	0250	00.3	1670.7	00.9	0084.2	0325	01.2	HTS
50156	0427.2	00.1	0704.5	0035	00.2	0338.3	00.1	0754.5	0035	00.1	1784.6	01.4	0126.7	0170	01.4	DEQ
50156	0472.3	00.3	0376.4	0050	00.3	0277.3	00.0	0887.0	0090	00.9	3215.7	02.5	0089.5	0230	02.5	HTS
50215	0304.6	00.0	0867.0	0055	00.1	0182.1	00.0	0579.4	0050	00.1	1671.2	01.7	0099.2	0150	01.8	DEQ
50215	1165.4	00.9	0540.3	0120	01.1	0370.1	00.0	0677.9	0070	00.0	1585.6	01.1	0144.4	0180	01.2	HTS
50228	0185.1	00.0	0621.9	0035	00.1	0148.4	00.0	0446.8	0035	00.1	1254.5	00.9	0084.2	0140	01.1	DEQ
50228	0289.3	00.0	0454.3	0040	00.0	0187.3	00.0	0354.8	0040	00.0	1522.6	00.8	0078.2	0150	00.9	HTS
50288	1496.6	01.1	0636.9	0110	01.3	0745.5	00.2	0762.0	0080	00.4	3942.1	05.4	0054.2	0340	05.4	DEQ
50288	1201.9	00.3	0676.5	0150	00.4	2343.3	01.1	0993.0	0225	01.2	4015.4	03.5	0112.2	0320	03.6	HTS
50295	0151.4	00.0	1252.2	0045	00.1	0191.3	00.0	0529.4	0050	00.1	0516.1	00.0	0056.7	0070	00.1	DEQ
50295	0123.2	00.0	1050.9	0060	00.1	0129.3	00.0	0368.1	0065	00.1	0631.0	00.0	0050.6	0100	00.1	HTS
50357	1287.6	00.6	0616.9	0120	01.1	2312.7	01.3	0575.6	0120	01.1	4245.3	02.7	0078.2	0280	02.4	HTS
50424	0533.1	00.4	0535.2	0020	00.4	0205.8	00.0	0850.4	0010	00.1	0190.5	00.0	0492.3	0000	00.0	HTS
50440	0823.7	00.5	0637.9	0020	00.6	1505.9	01.0	0291.7	0060	01.0	4158.7	05.4	0060.1	0200	05.2	HTS
50467	0559.3	00.1	2257.2	0060	00.2	0436.9	00.0	1771.9	0060	00.0	4187.1	04.8	0075.8	0310	04.7	HTS
50555	0471.9	00.0	2397.4	0040	00.0	0297.6	00.0	1086.7	0040	00.0	1426.3	00.6	0098.3	0120	00.8	HTS
50562	1514.0	03.3	0301.4	0060	03.4	1556.9	02.6	0172.8	0080	02.6	2159.7	02.5	0083.0	0140	02.7	HTS
60085	0139.2	00.0	0999.6	0030	00.0	0362.9	00.0	1429.8	0060	00.0	4341.9	05.8	0046.7	0310	05.4	DEQ
60085	0181.1	00.0	1173.9	0170	00.1	0412.2	00.0	1193.9	0220	00.1	4528.5	05.1	0074.2	0600	05.6	HTS
60086	0117.7	00.0	1132.2	0030	00.0	0136.1	00.0	1409.8	0030	00.0	4052.0	05.9	0051.7	0270	05.4	DEQ
60086	0241.3	00.0	1040.4	0030	00.0	0307.3	00.0	1310.6	0030	00.0	5614.7	06.1	0037.5	0330	05.8	HTS
60087	0142.2	00.0	1044.6	0030	00.0	1582.3	02.5	0404.3	0130	02.6	9989.7	07.7	0021.6	0600	07.6	DEQ
60087	0184.3	00.0	0906.5	0040	00.0	2156.2	02.7	0344.2	0150	02.6	9992.8	07.8	0013.2	0760	07.9	HTS
60096	1496.6	01.0	0834.5	0090	01.1	1680.4	01.2	0229.2	0120	01.2	2446.4	01.8	0049.2	0190	01.8	DEQ
60096	0454.2	00.0	0855.7	0160	00.1	0331.1	00.1	0527.2	0200	00.2	1861.7	00.9	0074.2	0350	01.4	HTS
60104	0292.4	00.0	0917.1	0035	00.0	0280.1	00.0	0759.5	0040	00.1	0194.3	00.0	0101.7	0030	00.0	DEQ
60104	0151.2	00.0	0921.1	0035	00.0	0430.3	00.3	0799.4	0060	00.3	0163.2	00.0	0071.6	0040	00.0	HTS
60112	0332.2	00.0	0606.9	0020	00.1	1680.4	01.5	0619.4	0110	01.8	2443.3	01.6	0104.2	0180	01.7	DEQ
60112	0334.1	00.0	0705.5	0150	00.1	1522.6	01.5	0933.4	0250	01.5	2308.9	01.0	0272.1	0350	01.4	HTS
60216	0105.5	00.0	0937.1	0025	00.1	0108.5	00.0	1459.8	0040	00.1	1138.1	00.4	0159.2	0165	00.4	DEQ
60216	0049.0	00.0	0335.1	0045	00.0	0049.0	00.0	0359.2	0045	00.0	0055.0	00.0	0105.7	0045	00.0	HTS
60263	0228.0	00.0	0419.3	0070	00.1	1291.3	01.0	0699.5	0120	01.2	0237.2	00.0	0146.7	0070	00.1	DEQ
60263	0565.2	00.5	0593.4	0070	00.7	1363.5	01.1	0525.8	0140	01.5	0181.1	00.0	0057.5	0040	00.1	HTS
60313	0197.4	00.0	1990.1	0040	00.1	0142.2	00.0	2197.7	0040	00.1	0120.8	00.0	0359.3	0035	00.1	DEQ
60313	0274.7	00.0	1798.6	0060	00.0	0155.4	00.0	1551.1	0050	00.0	0124.8	00.0	0616.9	0050	00.0	HTS
60349	0166.8	00.0	0334.3	0035	00.1	0203.5	00.0	0331.8	0040	00.1	2106.3	01.6	0084.2	0190	01.7	DEQ
60349	0231.9	00.0	0354.8	0050	00.0	0213.5	00.0	0524.7	0060	00.0	2569.7	02.4	0104.9	0240	02.3	HTS
60360	0874.5	00.7	0313.6	0070	00.8	1477.3	01.5	0223.8	0110	01.5	2559.1	03.1	0063.6	0230	03.4	HTS
60363	0537.9	00.1	1182.3	0060	00.1	1324.3	00.2	0284.4	0110	00.2	6034.5	07.0	0063.6	0410	06.8	HTS
60437	0251.7	00.0	0628.9	0020	00.0	1334.6	00.4	0325.1	0100	00.4	7767.0	05.9	0038.6	0500	05.8	HTS
60485	0559.3	00.1	1735.5	0020	00.1	0305.3	00.0	0760.0	0010	00.0	0323.7	00.0	0170.4	0020	00.0	HTS
60517	1206.1	00.7	0879.0	0070	00.7	1934.1	02.0	0781.1	0130	02.0	2741.7	03.2	0117.4	0160	03.2	HTS
60602	1804.7	01.0	0629.0	0100	01.0	2915.5	02.8	0459.2	0180	02.7	3336.8	02.4	0172.8	0220	02.4	HTS
60613	0140.1	00.0	0777.0	0000	00.0	0103.4	00.0	1065.8	0000	00.0	0115.6	00.0	0124.3	0000	00.0	HTS
60618	0631.0	00.3	0406.3	0020	00.4	1129.6	00.6	0265.4	0050	00.8	1196.9	00.4	0146.1	0085	00.4	HTS
60620	0259.4	00.0	0672.7	0030	00.0	0329.8	00.0	0847.4	0040	00.0	3506.9	03.8	0100.0	0250	03.9	HTS
60623	0120.1	00.0	0353.8	0020	00.0	0450.5	00.6	0158.0	0040	00.6	0832.9	01.1	0064.9	0060	01.0	HTS
60669	0211.9	00.0	0807.4	0000	00.0	1221.4	00.4	0344.2	0080	00.4	4090.4	05.2	0041.0	0240	05.1	HTS
60686	0167.6	00.0	1257.5	0010	00.0	0210.5	00.0	1053.7	0020	00.0	3376.8	02.0	0112.2	0230	02.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=49   MODEL YR(S)=1975,1976

MAKE=BUICK OLDS   MODEL=CUTLASS WAGON LASABRE OLDS 88 CENTURY WAGON REGAL

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LU (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50058	0197.4	00.0	0601.9	0035	00.0	0179.0	00.0	0426.8	0040	00.0	0117.7	00.0	0139.2	0030	00.0	DEQ
50058	0538.2	00.0	0517.6	0160	00.1	0316.1	00.0	0407.3	0190	00.1	0211.1	00.0	0126.8	0200	00.1	HTS
50061	0191.3	00.0	0574.4	0025	00.0	0185.1	00.0	0514.4	0035	00.0	0387.4	00.0	0189.2	0065	00.0	DEQ
50061	0073.0	00.0	0352.2	0140	00.1	0076.0	00.0	0272.1	0200	00.1	0142.1	00.0	0066.7	0220	00.1	HTS
50099	0185.1	00.0	0344.3	0040	00.0	0123.9	00.0	0271.8	0040	00.0	0145.3	00.1	0094.2	0040	00.0	DEQ
50099	0127.2	00.0	0354.5	0040	00.0	0112.2	00.0	0233.0	0030	00.0	0163.2	00.1	0087.1	0030	00.5	HTS
50137	0163.7	00.0	0772.0	0030	00.1	0077.9	00.0	0386.8	0030	00.1	0074.8	00.0	0119.2	0025	00.1	DEQ
50137	0136.1	00.0	0673.1	0195	00.1	0061.0	00.1	0352.0	0210	00.1	0067.0	00.0	0091.3	0195	00.1	HTS
50176	0142.2	00.0	0974.6	0030	00.1	1570.1	01.5	0271.8	0130	01.6	2057.3	01.8	0101.7	0150	02.0	DEQ
50176	0133.1	00.0	0895.2	0040	00.0	1279.5	01.3	0250.6	0100	01.5	1393.5	01.4	0122.6	0165	01.5	HTS
50194	0243.4	00.0	0997.1	0050	00.1	0151.4	00.0	0306.8	0045	00.1	0117.7	00.0	0149.2	0040	00.1	DEQ
50194	0157.2	00.0	0536.9	0040	00.0	0130.2	00.0	0271.9	0040	00.0	0091.2	00.0	0104.1	0040	00.0	HTS
50355	0326.8	00.0	0808.6	0000	00.0	0186.0	00.0	0893.5	0000	00.0	0124.8	00.0	0289.3	0000	00.0	HTS
50383	0554.5	00.0	0788.3	0030	00.0	0328.1	00.0	0752.5	0020	00.0	0236.4	00.0	0372.9	0000	00.0	HTS
50441	0247.2	00.0	1592.3	0025	00.0	0308.4	00.0	0471.3	0050	00.2	2171.9	01.5	0124.3	0100	01.8	HTS
50531	0461.4	00.0	0891.1	0040	00.1	0339.0	00.0	0609.6	0040	00.0	0280.9	00.0	1150.7	0040	00.0	HTS
50537	0334.3	00.0	0568.7	0040	00.0	0823.7	00.0	0423.0	0100	00.0	6961.3	06.7	0062.5	0400	06.4	HTS
54012	0158.7	00.0	2262.7	0030	00.0	0121.9	00.0	1945.1	0030	00.0	0348.6	00.4	0134.2	0060	00.2	DEQ
54012	0190.3	00.0	2253.2	0030	00.0	0139.2	00.0	1830.5	0030	00.0	0130.2	00.0	0217.0	0025	00.0	HTS
56023	0378.2	00.0	0456.9	0040	00.0	0249.5	00.0	0366.8	0040	00.0	1389.3	00.8	0109.2	0160	00.9	DEQ
56023	0175.3	00.0	0446.5	0030	00.0	0145.2	00.0	0234.7	0035	00.0	2275.7	01.1	0130.0	0220	01.3	HTS
60024	0326.1	00.0	2502.8	0050	00.0	0249.5	00.0	2337.6	0040	00.0	3242.3	01.8	0139.2	0220	01.5	DEQ
60024	0118.2	00.0	2430.3	0050	00.0	0091.2	00.0	2294.0	0040	00.0	0097.2	00.0	0078.9	0030	00.0	HTS
60033	0310.8	00.0	2397.8	0030	00.1	0172.9	00.0	2502.8	0035	00.1	0114.7	00.0	0511.9	0025	00.1	DEQ
60033	0112.2	00.0	2427.9	0030	00.0	0100.2	00.0	2427.9	0035	00.0	0070.2	00.0	0402.7	0020	00.0	HTS
60090	0120.8	00.0	1202.2	0030	00.0	0102.4	00.0	0279.3	0030	00.0	0081.0	00.0	0249.3	0025	00.0	DEQ
60090	0313.1	00.0	1111.2	0170	00.1	0199.1	00.0	0264.5	0210	00.1	0139.1	00.0	0211.9	0240	00.1	HTS
60091	0123.9	00.0	1637.4	0030	00.0	0117.7	00.0	0534.4	0030	00.0	0099.4	00.1	0089.2	0030	00.0	DEQ
60091	0208.3	00.1	0485.4	0030	00.2	0580.3	00.6	0244.4	0055	00.8	0529.3	00.8	0098.4	0065	00.9	HTS
60109	0172.9	00.0	0526.9	0025	00.0	0157.6	00.0	0251.8	0030	00.0	0369.0	00.3	0099.2	0030	00.2	DEQ
60109	0139.1	00.0	0452.4	0080	00.1	0121.1	00.0	0154.3	0110	00.1	0694.3	00.6	0086.7	0160	01.0	HTS
60158	0231.1	00.0	1617.4	0030	00.1	0182.1	00.0	0606.9	0040	00.1	0154.5	00.0	0254.3	0035	00.1	DEQ
60158	0160.1	00.0	1341.8	0140	00.1	0145.1	00.0	0482.4	0190	00.1	0088.0	00.0	0202.3	0210	00.1	HTS
60161	0718.3	00.1	0391.8	0060	00.1	1190.1	00.4	0401.8	0180	00.8	9989.7	07.2	0021.6	0860	07.3	DEQ
60161	0175.1	00.0	0438.9	0150	00.1	0260.1	00.0	0414.8	0200	00.1	9996.0	04.9	0045.4	0950	05.5	HTS
60229	0267.9	00.0	0929.6	0050	00.1	0252.6	00.0	0892.1	0060	00.1	4102.0	04.9	0054.2	0310	04.8	DEQ
60229	0706.4	00.0	0741.1	0060	00.1	0601.4	00.0	0711.9	0060	00.0	4355.3	04.8	0060.4	0325	04.5	HTS
60314	0252.6	00.0	0406.8	0030	00.1	0179.0	00.0	0226.7	0030	00.1	0117.7	00.0	0131.7	0030	00.1	DEQ
60314	0221.1	00.0	0344.2	0050	00.1	0169.1	00.0	0224.9	0050	00.0	2056.5	02.7	0076.8	0200	02.8	HTS
60320	0185.1	00.0	1409.8	0030	00.1	0117.7	00.0	1177.2	0035	00.1	0148.4	00.0	0261.8	0040	00.1	DEQ
60320	0129.3	00.0	1561.8	0050	00.0	0089.5	00.0	1518.9	0060	00.0	0129.3	00.0	0351.4	0055	00.0	HTS
60321	0090.2	00.0	2387.8	0030	00.1	0087.1	00.0	1689.9	0030	00.1	0126.9	00.0	0251.8	0030	00.1	DEQ
60321	0178.3	00.0	2235.1	0050	00.1	0098.7	00.0	1311.2	0050	00.1	0129.3	00.0	0255.9	0050	00.1	HTS
60335	0586.5	00.4	0586.9	0060	00.5	0494.6	00.1	0737.0	0065	00.1	3372.3	04.4	0114.2	0360	04.1	DEQ
60335	0600.4	00.0	0406.3	0080	00.1	0395.4	00.0	0322.7	0080	00.1	3379.0	02.7	0076.8	0350	03.6	HTS
60355	0271.7	00.0	2436.8	0040	00.0	0213.5	00.0	2436.8	0050	00.0	0152.3	00.0	0670.3	0040	00.0	HTS
60362	0808.4	00.4	2397.4	0080	00.5	0251.7	00.0	1549.9	0060	00.0	0159.9	00.0	0215.3	0050	00.0	HTS
60421	0150.7	00.0	0759.7	0000	00.0	0190.5	00.0	0551.9	0000	00.0	0104.8	00.0	0215.3	0000	00.0	HTS
60427	0126.2	00.0	2397.4	0010	00.0	0144.6	00.0	1731.3	0010	00.0	0111.0	00.0	0165.2	0010	00.0	HTS
60473	0363.5	00.0	1046.4	0020	00.0	0241.1	00.0	0306.3	0020	00.0	0179.9	00.0	0155.8	0010	00.0	HTS
60478	0181.3	00.0	2397.4	0000	00.0	0202.7	00.0	1740.9	0000	00.0	1007.2	01.3	0201.0	0060	01.2	HTS
60683	0172.1	00.0	0487.5	0020	00.0	0135.4	00.0	0181.9	0020	00.0	0166.0	00.0	0067.3	0020	00.0	HTS
60696	0374.0	00.0	1712.2	0020	00.0	0346.5	00.0	1299.2	0030	00.0	1258.1	00.4	0119.8	0120	00.7	HTS
60705	1186.6	00.9	1970.9	0080	01.3	1336.6	01.0	0578.1	0080	00.8	0137.0	00.0	0233.5	0020	00.0	HTS
60708	0768.6	00.0	1781.5	0060	00.0	1230.6	00.0	1077.2	0120	00.0	5340.8	04.8	0088.8	0400	04.8	HTS
64043	0430.3	00.0	0369.3	0030	00.0	0270.9	00.0	0249.3	0030	00.0	0218.8	00.0	0126.7	0025	00.0	DEQ
64043	0853.4	00.7	0259.0	0050	00.8	0205.3	00.0	0149.5	0020	00.0	1367.5	01.2	0071.6	0100	01.2	HTS
64054	0147.7	00.0	0935.4	0015	00.0	0129.3	00.0	0212.9	0015	00.0	0065.1	00.0	0203.4	0005	00.0	HTS
64058	0186.0	00.0	1357.0	0020	00.0	0277.8	00.1	0289.3	0030	00.1	0235.0	00.0	0131.6	0030	00.0	HTS
66019	0125.0	00.0	1167.2	0020	00.0	0100.5	00.0	0519.4	0020	00.0	2689.4	01.6	0109.2	0230	01.5	DEQ
66019	0127.1	00.0	1113.7	0080	00.0	0082.0	00.0	0402.0	0090	00.0	2377.9	01.3	0133.9	0270	01.3	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=50 MODEL YR(S)=1975,1976

MAKE=PONT OLDS BUICK MODEL=LASABRE ELECTRA RIVIERA 98 CSTM CRUISER ESTATE WAGON PONT

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50074	0108.5	00.0	1372.3	0040	00.1	0087.1	00.0	0569.4	0045	00.1	0096.3	00.0	0144.2	0045	00.1	DEQ
50074	0109.2	00.0	1325.2	0025	00.0	0100.2	00.0	0650.9	0030	00.0	0385.3	00.2	0083.8	0060	00.2	HTS
50147	0617.2	00.7	0664.5	0055	00.7	0546.7	00.7	0114.2	0075	00.8	0188.2	00.0	0154.2	0040	00.1	DEQ
50147	0691.4	00.8	0595.2	0050	00.8	1321.5	01.3	0162.5	0100	01.3	0346.3	00.1	0087.1	0045	00.3	HTS
50182	0117.7	00.0	2502.8	0035	00.1	0402.7	00.4	1319.8	0045	00.5	0568.1	00.4	0136.7	0060	00.6	DEQ
50182	0277.3	00.0	2270.3	0010	00.0	0376.3	00.4	1193.3	0020	00.2	0949.4	00.5	0208.7	0030	00.2	HTS
50190	1459.8	01.1	2282.7	0100	01.2	2394.3	01.5	1359.8	0170	01.6	7400.7	06.1	0046.7	0420	06.0	DEQ
50190	1477.6	01.1	2270.3	0100	01.1	2716.0	01.8	1156.8	0180	02.0	8033.7	06.2	0055.5	0440	06.0	HTS
50241	0601.9	00.4	2117.7	0040	00.4	1456.7	01.9	1102.2	0095	01.5	2100.2	03.0	0081.7	0100	02.3	DEQ
50241	0292.3	00.0	2242.6	0040	00.0	0607.4	00.4	0845.0	0065	00.3	1807.6	01.8	0134.0	0125	01.4	HTS
50247	0212.7	00.0	1419.8	0040	00.1	0185.1	00.0	0571.9	0050	00.1	0745.9	00.0	0081.7	0140	00.1	DEQ
50247	0181.1	00.0	0950.6	0040	00.0	0208.1	00.0	0599.7	0040	00.0	0421.2	00.0	0067.3	0080	00.0	HTS
50317	0169.1	00.0	0546.9	0010	00.0	0176.8	00.0	0643.6	0010	00.0	1353.5	00.5	0129.2	0100	00.4	HTS
50346	0147.7	00.0	0709.5	0000	00.0	0175.2	00.0	0349.0	0000	00.0	0251.7	00.0	0136.5	0000	00.0	HTS
50396	0287.0	00.0	2303.3	0010	00.0	1003.0	00.5	1978.2	0060	00.5	1763.3	01.2	0454.3	0090	01.0	HTS
50456	0196.6	00.0	1289.7	0050	00.0	1236.7	00.5	0277.4	0100	00.9	2191.1	02.0	0158.0	0120	02.0	HTS
50465	0404.6	00.1	0711.9	0020	00.1	0673.8	00.0	0208.2	0045	00.0	0199.7	00.0	0148.5	0020	00.0	HTS
50466	0152.3	00.0	0682.4	0020	00.0	0106.4	00.0	0670.3	0010	00.0	0097.3	00.0	0131.6	0010	00.0	HTS
50491	0495.1	00.1	2322.7	0010	00.1	1761.9	01.3	1257.5	0100	01.3	2383.1	03.2	0124.3	0120	03.2	HTS
50515	0248.6	00.0	1984.4	0020	00.0	1343.7	01.0	0270.2	0060	01.0	1047.0	01.1	0155.6	0070	01.3	HTS
50535	0976.7	00.2	2168.2	0060	00.3	1316.2	00.1	0740.6	0100	00.2	5680.9	05.7	0669.7	0370	05.8	HTS
50549	0124.8	00.0	1114.3	0010	00.0	0146.2	00.0	0352.4	0010	00.0	0256.4	00.0	0087.9	0020	00.0	HTS
50557	0098.7	00.0	0518.5	0010	00.0	0175.2	00.0	0189.1	0020	00.0	3430.2	02.3	0048.2	0210	02.2	HTS
50563	0583.8	00.0	0730.9	0060	00.0	0384.9	00.0	0447.0	0040	00.0	0274.7	00.0	0185.0	0025	00.0	HTS
54011	0221.2	00.0	0473.8	0010	00.1	0212.2	00.0	0286.9	0015	00.1	0179.1	00.0	0105.1	0010	00.1	DEQ
54011	0100.4	00.0	0420.4	0110	00.5	0148.6	00.0	0290.4	0090	00.4	0166.6	00.0	0093.0	0060	00.3	HTS
56019	0287.3	00.0	0793.8	0030	00.0	0425.2	00.2	0134.2	0050	00.4	2125.7	02.4	0051.7	0150	02.3	DEQ
56019	1312.5	01.7	0780.0	0090	01.7	2101.7	02.5	0127.6	0140	02.6	3015.8	03.6	0044.8	0180	03.6	HTS
60119	0093.2	00.0	2502.8	0030	00.1	0087.1	00.0	2242.7	0030	00.1	0053.4	00.0	0214.2	0025	00.1	DEQ
60119	0163.2	00.0	2430.3	0030	00.1	0082.2	00.0	1624.6	0010	00.1	0040.2	00.0	0176.3	0010	00.1	HTS
60124	0166.6	00.0	0972.1	0025	00.1	0791.8	00.6	0209.2	0075	00.6	0344.5	00.4	0086.7	0040	00.6	DEQ
60124	0094.0	00.0	0397.9	0100	00.1	0052.0	00.0	0180.6	0130	00.1	0046.0	00.0	0093.7	0130	00.1	HTS
60152	1692.7	02.6	0264.3	0120	02.8	2238.1	03.2	0069.2	0170	03.2	1499.6	01.1	0281.8	0130	01.2	DEQ
60152	0145.2	00.0	0391.0	0035	00.0	0202.3	00.0	0113.8	0040	00.0	0076.2	00.0	0218.4	0030	00.0	HTS
60154	2774.3	04.7	0246.7	0180	04.4	3032.4	04.4	0061.7	0220	04.4	2072.8	01.4	0101.7	0130	01.3	DEQ
60154	2263.9	02.9	0395.4	0270	03.1	2558.0	03.0	0106.2	0360	03.5	1822.7	01.1	0100.9	0290	01.5	HTS
60166	0243.4	00.0	1102.2	0030	00.1	0200.5	00.0	0584.4	0030	00.1	0145.3	00.0	0379.3	0030	00.1	DEQ
60166	0436.3	00.0	0458.6	0030	00.0	0166.2	00.0	0237.1	0025	00.0	0172.3	00.0	0069.2	0035	00.1	HTS
60224	0301.6	00.2	0682.0	0040	00.2	1135.0	01.5	0216.7	0095	01.7	4421.9	05.1	0034.1	0340	05.2	DEQ
60224	0253.3	00.0	0789.7	0050	00.1	0265.3	00.0	0330.2	0050	00.1	4665.1	01.6	0050.6	0350	01.6	HTS
60298	0228.0	00.0	0792.0	0035	00.1	0274.0	00.0	0234.2	0045	00.1	3252.3	03.3	0064.2	0240	03.4	DEQ
60298	0292.1	00.0	0451.7	0060	00.1	0361.1	00.0	0160.4	0080	00.1	3948.8	04.2	0055.4	0340	04.2	HTS
60331	0197.4	00.0	0922.1	0030	00.1	0160.6	00.0	0479.4	0040	00.1	0120.8	00.0	0181.7	0035	00.1	DEQ
60331	0276.1	00.1	0487.5	0075	00.2	0150.7	00.0	0468.4	0070	00.0	0101.8	00.0	0174.7	0065	00.0	HTS
60369	0660.3	00.2	2436.8	0050	00.4	2257.6	01.6	1182.3	0130	01.6	9743.0	06.5	0041.8	0430	05.5	HTS
60384	0736.8	00.4	1150.7	0050	00.5	0348.2	00.1	0289.3	0040	00.2	0109.5	00.0	0151.0	0020	00.0	HTS
60443	0147.7	00.0	1053.3	0010	00.0	0141.5	00.0	0511.4	0010	00.0	0153.8	00.0	0184.3	0010	00.0	HTS
60477	0320.6	00.0	1262.3	0010	00.0	0192.1	00.0	0820.7	0010	00.0	0166.4	00.0	0121.9	0000	00.0	HTS
60515	1138.6	00.4	1311.2	0100	00.4	1310.1	00.5	0234.4	0120	00.5	0438.3	00.2	0084.0	0070	00.2	HTS
60726	1429.4	01.0	0797.9	0100	01.2	1674.1	01.2	0148.5	0120	01.2	0211.9	00.0	0136.5	0040	00.0	HTS
64011	0131.1	00.0	0962.1	0020	00.1	0226.1	00.1	0164.2	0035	00.2	0068.2	00.0	0094.2	0020	00.1	DEQ
64011	0753.4	00.5	0634.9	0060	00.5	2131.7	01.9	0147.0	0140	01.9	1636.6	01.1	0084.4	0100	01.2	HTS
66020	0670.3	00.0	2042.6	0050	00.0	0455.9	00.0	1109.7	0040	00.0	2836.5	02.3	0076.7	0200	03.2	DEQ
66020	0163.2	00.0	1695.2	0020	00.0	0121.2	00.0	1098.8	0020	00.0	0097.2	00.0	0088.6	0020	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=51 MODEL YR(S)=1975,1976

MAKE=BUICK MODEL=CENTURY SKYLARK APOLLO REGAL

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50085	0117.7	00.0	1249.7	0040	00.0	0087.1	00.0	0216.7	0030	00.0	0056.5	00.0	0374.3	0030	00.0	DEQ
50085	0145.1	00.0	1003.8	0160	00.1	0127.1	00.0	0228.9	0180	00.1	0067.0	00.0	0436.5	0160	00.1	HTS
50087	0148.4	00.0	2502.8	0040	00.0	0114.7	00.0	2502.8	0030	00.0	0071.8	00.0	0354.3	0030	00.0	DEQ
50087	0163.1	00.0	2428.2	0150	00.1	0118.1	00.0	2428.2	0190	00.1	0067.0	00.0	0373.7	0180	00.1	HTS
50088	0126.9	00.0	1397.3	0030	00.0	0160.6	00.0	0434.3	0040	00.0	2654.8	04.4	0111.7	0200	04.0	DEQ
50088	0220.3	00.0	1071.7	0040	00.0	0262.3	00.0	0339.9	0030	00.0	3265.7	04.3	0118.7	0100	06.5	HTS
50096	0316.9	00.0	2502.8	0035	00.1	3162.4	02.2	1344.8	0245	02.2	4951.7	08.7	0036.6	0340	06.7	DEQ
50096	0430.3	00.1	2438.1	0050	01.5	3725.5	02.6	1023.1	0210	02.7	6434.4	09.1	0048.2	0410	09.1	HTS
50114	0252.6	00.0	0919.6	0035	00.1	0185.1	00.0	0214.2	0040	00.1	2412.7	03.8	0114.2	0210	03.8	DEQ
50114	0307.3	00.0	0901.7	0035	00.1	0280.3	00.0	0242.0	0040	00.1	3075.8	03.9	0117.9	0230	04.0	HTS
50125	0240.3	00.0	2502.8	0050	00.0	0203.5	00.0	2502.8	0050	00.0	0674.6	01.2	0314.3	0110	01.3	DEQ
50125	0358.3	00.1	2438.1	0040	00.1	0226.3	00.0	1694.1	0033	00.1	0988.4	01.1	0184.3	0095	01.2	HTS
50195	0243.4	00.0	2502.8	0045	00.1	0185.1	00.0	2502.8	0045	00.1	0123.9	00.0	0436.8	0035	00.1	DEQ
50195	0223.1	00.0	2428.2	0060	00.0	0154.1	00.0	2428.2	0060	00.0	0127.1	00.0	0537.9	0050	00.0	HTS
50201	0283.2	00.0	2502.8	0045	00.1	0243.4	00.0	2502.8	0055	00.1	0151.4	00.0	0411.8	0040	00.1	DEQ
50201	0145.1	00.0	2428.2	0055	00.0	0115.1	00.0	2428.2	0055	00.0	0082.0	00.0	0390.6	0040	00.0	HTS
50283	0427.2	00.0	1127.2	0050	00.1	0421.1	00.0	0199.2	0050	00.1	3792.1	06.2	0046.7	0280	06.1	DEQ
50283	0221.1	00.0	0470.8	0022	00.0	0312.8	00.0	0193.8	0035	00.0	3349.1	05.0	0064.9	0390	05.2	HTS
50290	0215.8	00.0	0832.0	0040	00.1	0240.3	00.0	0196.7	0045	00.1	1867.3	01.4	0391.8	0165	01.5	DEQ
50290	0410.7	00.0	0652.2	0050	00.1	0783.9	00.3	0107.9	0100	00.4	2090.1	02.2	0291.7	0190	02.4	HTS
50310	0173.8	00.0	2436.8	0050	00.1	0137.0	00.0	2436.8	0040	00.1	0807.2	00.9	0153.4	0090	00.9	HTS
50332	0511.7	00.0	2397.4	0050	00.1	0358.7	00.0	2397.4	0040	00.0	0903.2	00.4	0332.3	0090	00.4	HTS
50386	0490.3	00.2	2397.4	0050	00.2	0251.7	00.0	2397.4	0050	00.1	0147.7	00.0	0399.1	0025	00.0	HTS
60015	0237.2	00.0	2502.8	0030	00.1	0384.3	00.3	0406.8	0050	00.4	2072.6	01.7	0194.2	0175	01.3	DEQ
60015	0244.1	00.0	2481.4	0225	00.1	0337.1	00.1	0317.2	0250	00.3	2449.9	02.0	0174.4	0400	02.5	HTS
60021	0367.4	00.0	2502.8	0060	00.0	0448.7	00.0	2502.8	0065	00.0	2501.6	01.9	0356.8	0085	01.6	DEQ
60021	0373.1	00.0	2511.5	0200	00.1	0316.1	00.0	2511.5	0225	00.1	2251.9	01.9	0294.6	0375	02.3	HTS
60022	0252.6	00.0	2502.8	0040	00.0	0218.8	00.0	0922.1	0040	00.0	0142.2	00.0	0399.3	0030	00.0	DEQ
60022	0214.1	00.0	2499.0	0180	00.1	0193.1	00.0	0715.4	0220	00.1	0157.1	00.1	0234.5	0220	00.1	HTS
60030	0176.0	00.0	2282.7	0035	00.0	0154.5	00.0	0737.0	0035	00.0	0074.8	00.0	0269.3	0025	00.0	DEQ
60030	0271.3	00.0	2145.5	0060	00.0	0256.3	00.0	0573.1	0060	00.0	0164.3	00.0	0285.8	0050	00.0	HTS
60046	0231.1	00.0	2332.8	0035	00.0	0761.2	00.5	0454.4	0080	00.5	2348.4	01.9	0156.7	0190	02.0	DEQ
60046	0274.3	00.0	2335.4	0040	00.1	1441.5	01.1	0521.9	0120	01.8	2647.8	02.4	0132.5	0180	02.3	HTS
60077	0165.1	00.0	2202.7	0035	00.1	0179.0	00.0	0579.4	0035	00.1	0117.7	00.0	0336.8	0025	00.1	DEQ
60077	0232.1	00.0	2326.1	0110	00.1	0196.1	00.0	0640.3	0140	00.1	0124.1	00.0	0422.4	0140	00.1	HTS
60146	0234.2	00.0	2245.2	0030	00.1	0228.0	00.0	0651.9	0035	00.1	0123.9	00.0	0231.7	0025	00.1	DEQ
60146	0523.3	00.0	1883.8	0060	00.0	0295.3	00.0	0408.0	0050	00.0	0175.3	00.0	0186.8	0040	00.0	HTS
60227	0451.7	00.0	2242.7	0040	00.1	0372.1	00.0	0531.9	0055	00.1	2918.3	03.8	0094.2	0240	03.6	DEQ
60227	0568.3	00.0	1830.3	0060	00.0	0898.4	00.1	0730.2	0060	00.2	3245.7	03.0	0111.4	0260	03.0	HTS
60337	0096.3	00.0	2347.8	0035	00.1	0074.8	00.0	0529.4	0030	00.1	0056.5	00.0	0549.4	0025	00.1	DEQ
60337	0129.3	00.0	2378.3	0060	00.0	0095.7	00.0	0494.6	0050	00.0	0211.9	00.1	0253.5	0080	00.2	HTS
60338	0151.4	00.0	2502.8	0040	00.1	0666.2	00.2	1674.9	0085	00.4	0375.1	00.1	0171.7	0045	00.2	DEQ
60338	0315.9	00.0	2397.4	0080	00.0	0276.1	00.0	2397.4	0080	00.0	0190.5	00.0	0172.3	0060	00.0	HTS
60373	0251.7	00.0	2397.4	0030	00.1	0251.7	00.0	0733.4	0030	00.1	1343.7	01.1	0084.0	0100	01.0	HTS
60399	1224.4	00.7	2397.4	0100	00.8	2454.2	02.2	1358.9	0200	02.2	5298.2	08.3	0060.1	0260	07.8	HTS
60460	0189.1	00.0	2065.5	0040	00.0	0201.3	00.0	0697.0	0040	00.0	0097.3	00.0	0925.0	0030	00.0	HTS
60468	0519.5	00.0	1420.1	0040	00.0	0311.5	00.0	0735.8	0020	00.0	0299.2	00.0	0286.9	0020	00.1	HTS
60531	0718.4	00.0	2436.8	0050	00.0	1064.2	00.2	1878.7	0060	00.4	4745.1	05.4	0080.6	0280	05.0	HTS
60551	0161.5	00.0	2393.1	0025	00.0	0146.2	00.0	0568.3	0025	00.0	0094.2	00.0	0374.2	0000	00.1	HTS
60557	0369.6	00.0	1502.6	0040	00.0	0216.6	00.0	0505.3	0020	00.0	0140.1	00.0	0311.1	0010	00.0	HTS
60559	0358.7	00.0	1814.9	0020	00.0	0349.6	00.0	0380.0	0030	00.0	2334.9	01.6	0112.7	0160	02.0	HTS
60615	0383.2	00.1	2397.4	0050	00.1	3530.2	02.4	1210.9	0240	02.4	3290.2	02.1	0136.5	0210	02.0	HTS
60616	0207.4	00.0	2371.2	0020	00.0	0176.8	00.0	0779.5	0030	00.0	0167.6	00.1	0265.0	0040	00.1	HTS
60626	0600.4	00.0	2397.4	0060	00.0	0817.6	00.2	1929.5	0080	00.2	2891.6	04.5	0124.6	0200	04.3	HTS
60697	0172.1	00.0	1760.0	0015	00.0	0150.7	00.1	0289.3	0020	00.1	0190.5	00.2	0208.2	0040	00.2	HTS
60698	0282.3	00.0	0587.8	0020	00.0	0337.3	00.0	0229.6	0030	00.0	3770.3	06.7	0057.7	0240	06.5	HTS
60701	0609.6	00.0	2397.4	0060	00.0	2255.3	01.0	2106.2	0170	01.0	4170.4	05.0	0076.8	0260	04.7	HTS
64060	0195.2	00.0	2436.8	0040	00.0	0173.8	00.0	2436.8	0030	00.0	0216.6	00.0	0665.4	0040	00.0	HTS
66024	0218.8	00.0	2502.8	0040	00.0	0421.1	00.3	1669.9	0070	00.3	2078.7	02.3	0246.7	0110	02.1	DEQ
66024	0295.3	00.0	2430.3	0040	00.0	1831.6	01.2	2148.0	0120	01.2	2497.8	03.1	0166.5	0220	02.8	HTS
66029	0326.1	00.0	2502.8	0040	00.0	1717.2	01.0	0794.5	0140	00.9	2375.9	01.7	0244.2	0175	01.6	DEQ
66029	0457.3	00.0	2430.3	0030	00.0	2170.7	01.1	0431.9	0150	01.1	1510.6	00.6	0203.1	0130	00.7	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=52   MODEL YR(S)=1976,1977

MAKE=CADILLAC   MODEL=SEVILLE

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
60020	0267.9	00.0	2502.8	0035	00.0	0267.9	00.0	2502.8	0035	00.0	0231.1	00.0	0296.6	0030	00.0	DEQ
60020	0256.3	00.0	1057.5	0030	00.0	0244.3	00.0	0473.3	0030	00.0	0154.2	00.0	0319.9	0020	00.0	HTS
60025	0347.5	00.0	2502.8	0050	00.1	0182.1	00.0	1004.6	0040	00.1	0166.8	00.0	0129.2	0030	00.1	DEQ
60025	0181.3	00.0	2242.9	0050	00.1	0136.2	00.0	0845.7	0050	00.1	0094.2	00.0	0130.0	0040	00.2	HTS
60137	0620.2	00.0	0754.5	0035	00.1	0433.3	00.0	0404.3	0035	00.1	0476.2	00.0	0054.2	0030	00.1	DEQ
60137	0079.0	00.0	0356.8	0150	00.1	0139.1	00.0	0137.1	0200	00.1	1204.5	01.8	0043.0	0250	02.2	HTS
60139	0225.0	00.0	2502.8	0030	00.1	0243.4	00.0	2007.6	0035	00.1	0329.2	00.0	0194.2	0035	00.1	DEQ
60139	0403.3	00.0	2374.9	0050	00.0	0346.3	00.0	1679.5	0065	00.0	0322.3	00.0	0233.0	0050	00.0	HTS
60178	0160.6	00.0	0794.5	0040	00.0	0172.9	00.0	0326.8	0040	00.0	0304.6	00.0	0081.7	0040	00.0	DEQ
60178	0256.3	00.0	0629.0	0050	00.0	0229.3	00.0	0268.8	0040	00.0	0313.3	00.0	0069.2	0040	00.0	HTS
60194	0221.9	00.0	1102.2	0040	00.1	0237.2	00.0	0429.3	0045	00.1	0286.3	00.0	0081.7	0040	00.1	DEQ
60194	0262.3	00.0	1040.1	0040	00.0	0241.3	00.0	0393.4	0050	00.0	0370.3	00.0	0084.7	0040	00.0	HTS
60272	0611.0	00.0	0927.1	0060	00.1	0500.7	00.0	0454.4	0060	00.1	0647.8	00.0	0069.2	0065	00.1	DEQ
60272	0466.2	00.0	0828.9	0060	00.0	0394.2	00.0	0365.7	0065	00.0	0715.3	00.0	0098.3	0075	00.0	HTS
60309	0316.9	00.0	2152.7	0050	00.1	0350.4	00.0	1232.2	0060	00.1	0418.0	00.1	0199.2	0065	00.2	DEQ
60309	0326.6	00.0	2126.2	0070	00.0	0397.1	00.0	0956.6	0080	00.1	0424.7	00.1	0257.8	0080	00.1	HTS
60404	1239.7	00.0	2397.4	0075	00.1	0894.1	00.0	1518.9	0110	00.0	0236.4	00.0	0105.5	0030	00.0	HTS
60424	0149.3	00.0	1507.4	0010	00.0	0201.3	00.0	0733.4	0010	00.0	0238.0	00.0	0187.4	0010	00.0	HTS
60426	0233.3	00.0	2397.4	0050	00.0	0260.8	00.0	1760.0	0060	00.0	0438.3	00.0	0160.4	0060	00.0	HTS
60454	0282.3	00.0	2046.5	0040	00.0	0306.7	00.0	0797.9	0040	00.0	2004.5	00.8	0067.3	0160	00.8	HTS
60459	0201.3	00.0	0590.2	0020	00.0	0329.8	01.1	0182.5	0040	01.0	9992.8	06.7	0027.2	0600	06.8	HTS
60465	0170.7	00.0	1301.2	0000	00.0	0207.4	00.0	0648.4	0030	00.0	0213.5	00.0	0097.6	0000	00.0	HTS
60494	0227.2	00.0	1175.1	0040	00.0	0230.3	00.0	0793.1	0040	00.0	0150.7	00.0	0606.9	0030	00.0	HTS
60555	0235.0	00.0	2196.5	0020	00.0	0179.9	00.0	1628.7	0050	00.0	0152.3	00.0	0233.5	0025	00.0	HTS
60651	0337.3	00.0	0669.5	0020	00.0	0337.3	00.0	0372.9	0040	00.0	0325.1	00.0	0153.2	0020	00.0	HTS
60685	0364.9	00.0	2127.7	0040	00.0	0251.7	00.0	1733.7	0040	00.0	0294.5	00.0	0208.2	0020	00.0	HTS
60721	0201.3	00.0	2436.8	0040	00.0	0216.6	00.0	1141.0	0030	00.0	0354.3	00.0	0146.1	0030	00.0	HTS
64003	0146.1	00.0	1149.7	0025	00.0	0146.1	00.0	0817.0	0030	00.0	0267.2	00.0	0071.7	0030	00.0	DEQ
64003	0118.1	00.0	0124.0	0030	00.1	0115.1	00.0	0747.7	0030	00.1	0232.1	00.0	0123.0	0030	00.1	HTS
64025	0356.7	00.0	0997.1	0040	00.0	0289.3	00.0	0934.6	0040	00.0	0194.3	00.0	0199.2	0030	00.0	DEQ
64025	0133.1	00.0	1073.7	0075	00.0	0118.1	00.0	0790.6	0075	00.0	0142.1	00.0	0247.0	0100	00.0	HTS
70168	0261.7	00.0	0717.0	0045	00.1	0218.8	00.0	0421.8	0045	00.1	0166.8	00.0	0171.7	0040	00.1	DEQ
70168	0205.3	00.0	0544.2	0040	00.1	0193.3	00.0	0313.2	0040	00.1	0157.2	00.0	0167.3	0035	00.1	HTS
70176	0200.5	00.0	0702.0	0040	00.1	0154.5	00.0	0749.5	0040	00.1	0117.7	00.0	0379.3	0035	00.1	DEQ
70176	0130.1	00.0	0842.1	0050	00.1	0109.0	00.0	0528.2	0060	00.0	0064.0	00.0	0383.4	0050	00.0	HTS
70231	0200.5	00.0	0739.5	0040	00.1	0203.5	00.0	0439.3	0040	00.1	0329.2	00.0	0066.7	0050	00.1	DEQ
70231	0124.1	00.0	0549.9	0020	00.1	0151.1	00.0	0267.5	0030	00.1	0661.3	00.0	0050.2	0050	00.1	HTS
70234	0326.1	00.0	0754.5	0045	00.1	0301.6	00.0	0416.8	0045	00.1	0215.8	00.0	0697.0	0045	00.1	DEQ
70234	0142.2	00.0	0189.8	0033	00.1	0157.2	00.0	0097.6	0036	00.1	0112.2	00.0	0121.9	0036	00.0	HTS
70240	0206.6	00.0	0489.4	0030	00.1	0188.2	00.0	0259.3	0040	00.1	0252.6	00.0	0099.2	0050	00.1	DEQ
70240	0169.2	00.0	0396.5	0043	00.0	0196.3	00.0	0223.8	0048	00.0	0268.3	00.0	0078.2	0050	00.0	HTS
70253	0206.6	00.0	0969.6	0050	00.1	0209.7	00.0	0474.4	0050	00.1	0154.5	00.0	0254.3	0040	00.1	DEQ
70253	0199.3	00.0	0733.4	0050	00.0	0159.3	00.0	0335.4	0055	00.0	0127.2	00.0	0214.1	0050	00.0	HTS
70280	0264.8	00.0	0654.4	0040	00.1	0212.7	00.0	0449.3	0040	00.1	0148.4	00.0	0399.3	0040	00.1	DEQ
70280	0114.0	00.0	0688.0	0050	00.0	0126.2	00.0	0432.6	0050	00.0	0089.5	00.0	0370.3	0050	00.0	HTS
70371	0260.8	00.0	0659.4	0010	00.0	0257.6	00.0	0232.0	0020	00.0	0150.7	00.0	0170.0	0010	00.0	HTS
70522	0198.2	00.0	0730.9	0025	00.0	0176.6	00.0	0262.6	0025	00.0	0118.7	00.0	0172.8	0020	00.0	HTS
70523	0172.1	00.0	0763.5	0020	00.0	0144.6	00.0	0377.7	0020	00.0	0126.2	00.0	0160.4	0020	00.0	HTS
70608	0147.7	00.0	0676.1	0040	00.0	0141.5	00.0	0466.0	0040	00.0	0098.7	00.0	0198.6	0020	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=54   MODEL YR(S)=1977

MAKE=CHEV   MODEL=CHEV CAMARO MALIBU NOVA

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70048	0684.6	00.0	1094.4	0055	00.1	1839.7	01.2	0146.7	0140	01.2	0801.0	00.2	0119.2	0110	00.3	DEQ
70048	0118.1	00.0	2511.5	0130	00.1	0523.2	00.4	0462.4	0200	00.8	0118.1	00.0	0655.3	0150	00.1	HTS
70057	0473.2	00.0	0529.4	0040	00.1	2697.7	01.7	0089.2	0250	01.6	9989.7	10.0	0004.1	1060	09.6	DEQ
70057	0565.3	00.0	0358.8	0030	00.0	1120.5	00.5	0059.4	0080	00.5	7623.9	07.6	0008.3	0500	07.0	HTS
70059	0304.6	00.0	1372.3	0030	00.1	3892.1	04.2	0256.8	0320	03.8	9989.7	09.3	0014.1	0960	09.6	DEQ
70059	0202.3	00.0	1376.3	0020	00.0	4055.4	03.6	0290.7	0270	03.3	9992.8	09.6	0003.5	0810	09.6	HTS
70090	0136.1	00.0	0857.0	0020	00.0	0274.0	00.0	0264.3	0035	00.0	3642.2	04.7	0069.2	0310	03.8	DEQ
70090	0085.0	00.0	0706.9	0100	00.1	0232.1	00.0	0248.2	0140	00.1	5548.0	04.7	0062.3	0520	04.8	HTS
70096	0264.8	00.0	1019.6	0040	00.0	1738.6	00.7	0411.8	0155	00.5	8440.3	08.9	0014.1	0520	08.4	DEQ
70096	0235.3	00.0	0794.6	0030	00.0	0427.3	00.0	0334.5	0045	00.0	4455.2	06.4	0055.5	0310	05.8	HTS
70124	0221.9	00.0	1004.6	0040	00.1	0237.2	00.0	1039.6	0050	00.1	3272.3	04.8	0049.2	0280	04.8	DEQ
70124	0364.1	00.0	1226.5	0160	00.1	0478.2	00.0	0712.9	0210	00.1	3928.8	05.2	0089.2	0490	05.5	HTS
70129	0123.9	00.0	0606.9	0035	00.0	0160.6	00.0	0251.8	0035	00.0	2492.4	04.2	0039.1	0210	04.0	DEQ
70129	0130.1	00.0	0627.8	0160	00.1	0304.1	00.0	0299.6	0210	00.1	3309.1	05.2	0076.7	1700	05.2	HTS
70141	0117.7	00.0	0822.0	0030	00.1	0194.3	00.0	0544.4	0040	00.1	2532.2	02.7	0061.7	0220	03.0	DEQ
70141	0184.1	00.0	0960.4	0120	00.1	0397.2	00.0	0690.0	0170	00.1	3579.0	04.5	0081.6	0430	05.0	HTS
70189	0332.2	00.0	0571.9	0045	00.1	0221.9	00.0	1274.7	0045	00.1	0252.6	00.0	0099.2	0050	00.1	DEQ
70189	0373.3	00.0	0410.5	0050	00.1	0202.3	00.0	0420.2	0040	00.0	0241.3	00.0	0065.2	0050	00.0	HTS
70193	2259.5	00.9	1184.7	0125	00.7	3202.4	02.4	0782.3	0200	01.6	4571.8	05.2	0069.2	0295	03.2	DEQ
70193	0229.3	00.0	0657.8	0038	00.0	0214.3	00.0	1409.7	0040	00.0	4025.4	02.3	0092.0	0360	02.1	HTS
70236	0081.0	00.0	0902.1	0060	00.1	0755.1	00.4	0932.1	0090	00.4	0513.0	00.1	0129.2	0070	00.1	DEQ
70236	0127.2	00.0	0723.6	0030	00.0	0109.2	00.0	1769.5	0040	00.0	0085.2	00.0	0218.9	0030	00.0	HTS
70271	0372.1	00.0	0972.1	0045	00.1	0467.0	00.0	0324.3	0060	00.1	4122.0	07.5	0024.1	0375	07.9	DEQ
70271	0450.5	00.0	0750.1	0050	00.0	0829.8	00.0	0241.6	0065	00.0	5428.1	08.2	0036.3	0440	08.4	HTS
70295	0148.4	00.0	0514.4	0030	00.1	0157.6	00.0	0199.2	0040	00.1	0130.0	00.0	0319.3	0030	00.1	DEQ
70295	0129.3	00.0	0470.8	0050	00.0	0150.7	00.0	0186.7	0060	00.0	0065.1	00.0	0315.6	0050	00.0	HTS
70296	0126.9	00.0	0559.4	0025	00.1	0191.3	00.0	0246.7	0040	00.1	2725.2	03.0	0091.7	0240	02.9	DEQ
70296	0348.2	00.0	0672.7	0040	00.0	0365.6	00.0	0313.6	0060	00.0	3315.7	03.2	0090.3	0270	03.0	HTS
70318	0267.9	00.0	0879.6	0040	00.1	0353.7	00.0	0584.4	0050	00.1	3462.3	05.4	0026.6	0300	05.4	DEQ
70318	0400.2	00.0	0910.5	0045	00.0	0388.0	00.0	0980.9	0055	00.0	3975.4	05.6	0051.5	0340	05.2	HTS
70321	0552.8	00.0	0441.8	0060	00.1	0384.3	00.0	0196.7	0055	00.1	0267.9	00.0	0391.8	0050	00.1	DEQ
70321	0199.7	00.0	0606.9	0048	00.0	0172.1	00.0	0172.3	0055	00.0	0436.6	00.1	0172.3	0100	00.2	HTS
70362	0288.4	00.0	0972.1	0020	00.0	0413.8	00.0	1144.0	0035	00.1	3379.0	02.9	0081.6	0245	02.8	HTS
70384	0166.0	00.0	0766.8	0020	00.0	0456.6	00.0	0296.5	0040	00.0	3778.9	05.2	0041.0	0290	05.0	HTS
70389	0187.4	00.0	0931.5	0010	00.0	0150.7	00.0	0334.7	0010	00.0	0111.0	00.0	0141.3	0000	00.0	HTS
70445	0314.5	00.0	1036.7	0010	00.0	0361.8	00.0	0311.1	0030	00.0	6864.2	02.3	0039.4	0490	02.2	HTS
70470	0182.9	00.0	0738.2	0000	00.0	0277.6	00.0	0192.2	0010	00.0	3775.5	05.6	0034.5	0260	05.4	HTS
70474	0089.5	00.0	0869.5	0020	00.0	0257.8	00.0	0296.5	0030	00.0	3519.0	05.0	0057.7	0250	04.8	HTS
70476	0196.6	00.0	0556.7	0025	00.0	1175.5	00.5	0074.5	0100	00.6	4008.8	02.9	0060.1	0300	02.8	HTS
70482	0184.4	00.0	0793.1	0020	00.0	0450.5	00.0	0256.3	0040	00.0	5747.9	07.0	0031.5	0420	06.9	HTS
70498	0713.6	00.0	0960.2	0060	00.0	3329.1	03.7	0160.4	0260	03.8	8016.9	10.1	0029.1	0500	05.6	HTS
70505	0046.7	00.0	0382.4	0010	00.0	1924.9	01.9	0112.7	0120	01.8	3179.1	03.5	0062.5	0220	03.4	HTS
70512	0395.4	00.0	0941.1	0040	00.0	0227.2	00.0	2087.1	0030	00.0	0150.7	00.0	0477.9	0010	00.0	HTS
70579	1313.1	00.1	1031.8	0100	00.1	3220.1	01.0	1058.1	0240	01.1	5220.8	05.3	0076.8	0410	05.0	HTS
70593	0176.8	00.0	2436.8	0030	00.0	0204.4	00.0	2436.8	0040	00.0	2165.8	00.9	0430.0	0170	01.0	HTS
70615	0225.6	00.0	1745.2	0010	00.0	0201.3	00.0	1153.1	0020	00.0	1569.1	01.4	0066.1	0060	01.4	HTS
70673	0517.8	00.0	0900.5	0060	00.0	0325.1	00.0	0406.3	0040	00.0	0224.1	00.0	0353.8	0030	00.0	HTS
76003	0115.6	00.0	1109.7	0010	00.1	0106.6	00.0	0306.8	0010	00.1	1911.2	01.9	0089.2	0160	01.7	DEQ
76003	0250.1	00.0	0885.2	0015	00.0	0241.1	00.0	0282.9	0010	00.0	3509.0	03.3	0105.5	0310	04.1	HTS
76038	0304.6	00.0	1407.3	0035	00.1	0307.7	00.0	0334.3	0040	00.1	3672.1	03.2	0046.7	0320	03.1	DEQ
76038	0301.1	00.0	0625.7	0125	00.1	0235.1	00.0	0292.1	0125	00.1	3728.9	04.8	0036.6	0400	05.0	HTS
76042	0156.8	00.0	0606.9	0020	00.0	0413.8	00.0	0255.9	0050	00.0	3968.8	05.5	0031.5	0300	05.2	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=55 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV MALIBU MONTE CARLO CAPRICE

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70008	0146.4	00.0	0269.3	0030	00.1	0112.7	00.0	0254.3	0025	00.0	0054.5	00.0	0156.7	0020	00.0	DEQ
70008	0160.2	00.0	0517.1	0020	00.1	0121.2	00.0	0195.8	0030	00.1	0067.2	00.0	0125.2	0020	00.1	HTS
70009	0216.9	00.3	0266.8	0030	00.3	0094.3	00.0	0291.8	0025	00.0	0051.4	00.0	0381.8	0020	00.0	DEQ
70009	0088.0	00.0	0484.7	0050	00.0	0073.0	00.0	0256.7	0050	00.0	0025.0	00.0	0685.2	0050	00.0	HTS
70018	0125.0	00.0	0639.4	0025	00.1	0164.8	00.0	0214.2	0030	00.1	0066.7	00.0	0234.2	0020	00.1	DEQ
70018	0124.2	00.0	0548.7	0030	00.0	0205.3	00.0	0178.7	0040	00.0	0070.2	00.0	0249.3	0025	00.0	HTS
70019	0149.5	00.2	0369.3	0025	00.2	0085.1	00.0	0249.3	0020	00.1	0128.0	00.2	0421.8	0020	00.3	DEQ
70019	0232.3	00.1	0356.4	0030	00.1	0214.3	00.0	0193.3	0040	00.0	3465.6	01.8	0108.1	0270	02.0	HTS
70020	0246.4	00.0	0589.4	0035	00.0	0200.5	00.0	0194.2	0030	00.0	0142.2	00.0	0224.2	0025	00.0	DEQ
70020	0154.2	00.0	0551.1	0030	00.1	0109.2	00.0	0215.2	0030	00.0	0052.2	00.0	0249.3	0020	00.0	HTS
70029	0286.3	00.0	0674.5	0030	00.0	0255.6	00.1	0241.7	0030	00.0	0696.8	00.5	0116.7	0110	00.7	DEQ
70029	0139.2	00.0	0563.3	0040	00.0	0232.3	00.0	0229.8	0050	00.0	1384.5	00.8	0134.9	0150	00.8	HTS
70037	2014.9	02.2	0499.4	0160	02.2	2458.7	00.6	0186.7	0165	00.7	7080.8	07.5	0034.1	0470	07.2	DEQ
70037	2642.0	01.9	0505.0	0260	02.3	2675.0	01.3	0184.4	0350	01.6	9276.3	08.2	0024.1	0240	02.3	HTS
70039	0653.9	00.0	0814.5	0060	00.1	0347.5	00.0	0314.3	0045	00.0	0261.7	00.0	0361.8	0040	00.0	DEQ
70039	0094.0	00.0	0745.5	0130	00.0	0079.0	00.0	0252.0	0140	00.0	0040.0	00.0	0349.7	0150	00.1	HTS
70042	0935.8	01.0	0466.9	0075	01.0	0231.1	00.0	0154.2	0035	00.1	1199.3	00.7	0309.3	0100	00.7	DEQ
70042	0205.3	00.0	0577.9	0030	00.1	0094.2	00.0	0183.6	0030	00.1	0062.2	00.0	0159.2	0030	00.1	HTS
70045	0221.9	00.1	0779.5	0025	00.1	0163.7	00.0	0614.4	0025	00.1	2351.4	02.4	0146.7	0220	02.5	DEQ
70045	0160.1	00.1	0908.3	0040	00.3	0106.0	00.0	0630.3	0050	00.1	0955.4	00.7	0106.7	0070	01.0	HTS
70053	0228.0	00.0	0742.0	0030	00.1	0166.8	00.0	0234.2	0030	00.1	0084.0	00.0	0419.3	0025	00.1	DEQ
70053	0250.3	00.0	0614.4	0040	00.1	0178.3	00.0	0222.5	0030	00.1	0091.2	00.0	0468.4	0030	00.0	HTS
70055	0237.2	00.0	0291.8	0030	00.1	0206.6	00.1	0169.2	0030	00.1	2553.6	02.8	0046.7	0220	02.5	DEQ
70055	0727.4	00.3	0091.1	0050	00.4	0289.3	00.0	0171.4	0040	00.1	3425.7	03.3	0022.9	0240	02.8	HTS
70145	0249.5	00.0	0529.4	0040	00.1	2624.1	02.1	0324.3	0070	02.5	9989.7	02.6	0016.6	0740	08.6	DEQ
70145	0553.3	00.1	0198.2	0040	00.1	0382.3	00.0	0178.7	0040	00.0	8923.3	08.5	0013.2	0500	02.1	HTS
70146	2020.5	01.4	0416.8	0140	01.5	1021.6	00.4	0084.2	0100	00.3	9989.7	09.9	0004.1	0920	09.8	DEQ
70146	0292.1	00.2	0137.1	0160	00.4	0538.2	00.0	0209.6	0180	00.1	8146.8	08.0	0026.1	0740	08.9	HTS
70158	0326.1	00.0	0439.3	0045	00.1	0212.7	00.0	0164.2	0045	00.1	0148.4	00.0	0076.7	0045	00.1	DEQ
70158	0250.3	00.0	0429.9	0030	00.0	0217.3	00.0	0164.9	0040	00.0	0127.2	00.0	0072.5	0030	00.0	HTS
70209	1355.6	01.6	0246.7	0055	01.6	0176.0	00.0	0096.7	0040	00.1	0436.4	00.6	0019.1	0065	00.6	DEQ
70209	1414.5	02.5	0169.8	0090	02.5	0208.3	00.3	0036.0	0040	00.4	1604.6	01.8	0060.4	0150	02.0	HTS
70212	1637.5	01.4	1679.9	0120	01.5	2422.7	02.2	0767.0	0160	02.3	9989.7	10.4	0034.1	1900	10.0	DEQ
70212	0250.1	00.0	1450.4	0055	00.0	1351.5	00.0	0755.2	0090	00.0	9996.0	09.2	0026.1	1090	08.9	HTS
70213	0497.7	00.5	0294.3	0045	00.7	0133.1	00.0	1094.7	0035	00.1	2731.4	02.2	0091.7	0250	02.3	DEQ
70213	1750.7	01.8	0431.7	0160	02.0	0493.2	00.0	0683.1	0065	00.0	4358.6	04.3	0067.1	0420	04.4	HTS
70247	0105.5	00.0	0399.3	0025	00.1	0148.4	00.0	0226.7	0025	00.1	0084.0	00.0	0174.2	0020	00.1	DEQ
70247	0082.0	00.0	0401.5	0040	00.0	0124.1	00.0	0184.3	0040	00.0	0052.0	00.0	0136.5	0040	00.0	HTS
70285	0344.5	00.0	0471.9	0045	00.1	0274.0	00.0	0196.7	0050	00.1	0163.7	00.0	0354.3	0030	00.1	DEQ
70285	0461.4	00.3	0226.2	0070	00.2	0225.8	00.0	0197.1	0050	00.0	0109.5	00.0	0415.5	0050	00.0	HTS
70308	0133.1	00.0	0534.4	0035	00.1	0117.7	00.0	0314.3	0035	00.1	0074.8	00.0	0259.3	0030	00.1	DEQ
70308	0124.6	00.0	0417.9	0060	00.0	0085.0	00.0	0374.2	0060	00.0	0060.5	00.0	0282.0	0060	00.0	HTS
70312	0316.9	00.1	0241.7	0040	00.2	0188.2	00.0	0239.2	0030	00.1	0114.7	00.0	0261.8	0030	00.1	DEQ
70312	0802.3	00.5	0248.7	0050	00.4	0242.5	00.0	0191.4	0050	00.0	0117.1	00.0	0184.3	0010	00.0	HTS
70350	1811.6	02.0	0446.9	0120	02.4	1940.2	01.5	0255.9	0140	01.7	3618.9	05.2	0110.3	0280	05.4	HTS
70354	0657.0	00.6	0308.7	0050	00.7	1278.4	00.8	0126.7	0110	01.4	6833.3	09.3	0017.5	0450	09.2	HTS
70365	0199.7	00.0	0423.0	0020	00.0	0153.8	00.0	0239.2	0020	00.0	0126.2	00.0	0208.2	0010	00.0	HTS
70404	0377.1	00.1	0356.6	0020	00.1	0539.2	00.1	0296.5	0050	00.1	4618.5	05.9	0038.6	0320	06.0	HTS
70454	1484.4	01.5	0494.6	0200	02.0	0208.8	00.0	0232.0	0050	00.0	0129.3	00.0	0088.8	0050	00.0	HTS
70460	1517.1	01.2	0578.1	0080	01.0	0277.8	00.1	0248.1	0020	00.1	0179.9	00.1	0238.3	0000	00.1	HTS
70486	0247.2	00.0	0442.2	0040	00.0	2585.8	01.9	0187.4	0200	02.4	9992.8	10.4	0024.8	0400	08.2	HTS
70487	1460.0	01.1	0339.5	0080	01.4	0221.1	00.0	0162.8	0000	00.0	0092.6	00.0	0203.4	0000	00.0	HTS
70506	0204.4	00.0	0272.3	0020	00.1	0127.9	00.0	0342.7	0010	00.0	0100.3	00.0	0289.3	0000	00.0	HTS
70632	0527.0	00.0	0649.8	0050	00.0	0462.7	00.0	0828.9	0050	00.0	3630.3	02.7	0110.3	0260	02.7	HTS
70638	1933.3	01.2	0400.9	0100	01.2	0384.9	00.0	0199.5	0030	00.0	3967.0	03.9	0100.0	0300	03.8	HTS
74010	0060.6	00.0	0797.0	0020	00.0	0072.9	00.0	0264.3	0020	00.0	0045.3	00.0	0346.8	0015	00.0	DEQ
74010	0100.2	00.0	0554.7	0020	00.0	0109.2	00.0	0207.0	0020	00.0	0061.2	00.0	0317.1	0020	00.0	HTS
76012	0731.6	00.0	0737.0	0070	00.0	0848.0	00.0	0214.2	0050	00.1	8040.5	07.4	0029.1	0450	07.0	DEQ
76012	0640.2	00.0	0600.5	0150	00.1	0454.2	00.0	0261.7	0220	00.1	6037.8	06.2	0026.2	0720	06.4	HTS
76014	0131.1	00.0	1967.6	0030	00.1	0118.8	00.0	1007.1	0025	00.1	2876.3	02.0	0124.2	0240	01.9	DEQ
76014	0184.1	00.0	1517.2	0150	00.1	0135.1	00.0	0782.9	0180	00.1	3658.9	02.6	0058.7	0510	03.1	HTS
76022	0794.9	00.7	0474.4	0065	00.7	0249.5	00.1	0209.2	0035	00.0	8200.4	08.0	0026.6	0660	07.5	DEQ
76022	0799.3	00.4	0998.5	0100	00.5	0517.2	00.0	0567.6	0125	00.1	6167.8	05.3	0056.6	0500	01.5	HTS
76023	0356.7	00.0	0687.1	0060	00.1	0430.3	00.0	0396.8	0060	00.0	4891.7	06.0	0074.2	0360	05.4	DEQ
76023	0352.3	00.0	0602.3	0050	00.0	0490.3	00.0	1337.4	0060	00.0	5314.8	05.8	0044.8	0440	01.5	HTS
76024	0185.1	00.0	0887.1	0030	00.1	0341.4	00.0	0164.2	0030	00.1	5351.5	07.9	0029.1	0400	07.3	DEQ
76024	0569.2	00.3	0392.3	0120	00.4	0823.3	00.3	0314.6	0150	00.3	5777.9	07.6	0036.6	0600	08.5	HTS
76025	0286.3	00.0	0744.5	0040	00.0	0341.4	00.0	0229.2	0060	00.0	4611.8	04.4	0039.1	0330	04.0	DEQ
76025	0211.3	00.0	1704.9	0025	00.1	0154.2	00.0	0655.4	0030	00.1	4905.0	04.0	0061.9	0350	04.0	HTS
76030	0332.2	00.0	0351.8	0025	00.0	0454.8	00.0	0176.7	0040	00.0	4182.0	05.8	0049.2	0320	05.2	DEQ
76030	0706.3	00.1	0217.0	0160	00.3	0457.2	00.0	0149.3	0150	00.1	4578.5	05.9	0034.1	0500	06.0	HTS
76033	0629.4	00.1	1154.7	0055	00.1	0559.0	00.0	1032.1	0050	00.0	4491.9	06.0	0081.7	0375	05.7	DEQ
76033	0109.0	00.0	0572.7	0130	00.0	0328.1	00.0	0206.9	0170	00.1	8536.7	08.2	0024.1	0800	09.0	HTS
76034	0372.1	00.0	0616.9	0040	00.0	0292.4	00.0	0314.3	0040	00.0	3892.1	04.5	0036.6	0300	03.4	DEQ
76034	0448.2	00.1	0274.6	0120	00.2	0421.2	00.0	0249.5	0140	00.0	6627.5	06.4	0034.1	0570	05.7	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=56 MODEL YR(S)=1977

MAKE=CHEV MODEL=CHEV MALIBU MONTE CARLO CAPRICE

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70012	0379.3	00.0	0682.0	0030	00.0	0284.3	00.0	0219.2	0030	00.0	0238.3	00.0	0096.7	0030	00.0	DEQ
70012	0112.0	00.1	0700.2	0070	00.1	0085.0	00.0	0251.7	0080	00.1	0085.0	00.0	0088.8	0090	00.1	HTS
70015	0091.3	00.0	0556.9	0020	00.0	0121.9	00.0	0129.2	0025	00.0	0091.3	00.0	0226.7	0025	00.0	DEQ
70015	0103.2	00.0	0392.9	0020	00.0	0169.2	00.0	0130.0	0040	00.0	0112.2	00.0	0193.3	0030	00.0	HTS
70033	0145.3	00.0	0779.5	0030	00.0	0142.2	00.0	0204.2	0030	00.0	0335.3	00.6	0074.2	0055	00.7	DEQ
70033	0106.0	00.0	2511.5	0100	00.1	0076.0	00.0	2511.5	0125	00.1	1381.5	01.5	2511.5	0250	01.7	HTS
70043	0467.0	00.0	0994.6	0030	00.1	0264.8	00.0	0466.9	0030	00.1	0221.9	00.0	0136.7	0025	00.1	DEQ
70043	0109.2	00.0	1030.7	0015	00.0	0073.2	00.0	0468.4	0015	00.0	0058.2	00.0	0346.7	0010	00.0	HTS
70046	0203.5	00.0	0737.0	0030	00.0	0154.5	00.0	0301.8	0030	00.0	1239.2	00.8	0104.2	0090	00.7	DEQ
70046	0097.2	00.0	0792.1	0025	00.0	0091.2	00.0	0319.9	0030	00.1	1693.6	01.1	0142.2	0150	01.2	HTS
70047	0071.8	00.0	0829.5	0020	00.0	0062.6	00.0	0056.7	0020	00.0	0077.9	00.0	0174.2	0020	00.0	DEQ
70047	0454.2	00.0	0793.1	0130	00.0	0256.1	00.0	0279.6	0140	00.0	0643.3	00.5	0071.7	0200	00.3	HTS
70056	0099.4	00.0	0897.1	0025	00.0	0084.0	00.0	0336.8	0025	00.0	0050.3	00.0	0281.8	0020	00.0	DEQ
70056	0064.0	00.0	0843.2	0180	00.1	0064.0	00.0	0322.2	0200	00.1	0037.0	00.0	0299.6	0190	00.1	HTS
70078	0157.6	00.0	0892.1	0025	00.0	0093.2	00.0	0389.3	0020	00.0	0090.2	00.0	0124.2	0020	00.0	DEQ
70078	0517.3	00.1	0629.0	0080	00.2	0121.2	00.0	0368.6	0070	00.1	0103.2	00.0	0100.8	0070	00.1	HTS
70091	0172.9	00.0	0767.0	0035	00.0	0136.1	00.0	0411.8	0035	00.0	1986.8	01.2	0124.2	0170	01.3	DEQ
70091	0307.3	00.0	0549.0	0040	00.1	0220.3	00.0	0515.0	0035	00.0	2665.8	01.6	0143.0	0195	01.5	HTS
70116	1196.3	00.7	0391.8	0050	00.4	0289.3	00.0	0294.3	0045	00.1	2017.4	01.4	0156.7	0150	01.6	DEQ
70116	0076.0	00.0	0501.7	0140	00.0	0070.0	00.0	0255.4	0170	00.0	0268.1	00.2	0129.9	0200	00.5	HTS
70126	0071.8	00.0	0519.4	0030	00.0	0056.3	00.0	0174.2	0035	00.0	2002.1	01.7	0144.2	0170	01.7	DEQ
70126	0112.2	00.0	0268.8	0025	00.0	0103.2	00.0	0127.6	0020	00.0	2170.7	02.6	0078.9	0150	02.5	HTS
70151	1803.0	01.5	0619.4	0115	01.6	1233.0	00.5	0259.3	0120	00.6	2259.5	01.5	0129.2	0195	01.6	DEQ
70151	0151.1	00.0	0704.5	0180	00.1	0094.0	00.0	0282.0	0210	00.1	2140.8	01.2	0151.6	0390	01.6	HTS
70154	0215.8	00.0	0674.5	0030	00.1	0142.2	00.0	0236.7	0025	00.1	0105.5	00.0	0254.3	0025	00.1	DEQ
70154	0076.0	00.0	0653.8	0200	00.1	0070.0	00.0	0214.4	0220	00.1	0055.0	00.0	0236.1	0230	00.1	HTS
70161	0145.3	00.0	0749.5	0025	00.1	0123.9	00.0	0311.8	0035	00.1	0102.4	00.0	0104.2	0030	00.1	DEQ
70181	0289.1	00.0	0682.7	0075	00.0	0184.1	00.0	0294.0	0075	00.0	0145.1	00.0	0091.3	0075	00.0	HTS
70218	1187.1	00.2	1722.5	0050	00.3	0880.7	00.0	0759.5	0070	00.1	6301.1	08.7	0036.6	0360	09.0	DEQ
70218	0298.3	00.0	1647.9	0045	00.0	0406.3	00.0	0753.2	0040	00.0	6724.2	07.9	0050.6	0450	07.6	HTS
70219	0868.4	00.3	0621.9	0070	00.2	0580.4	00.0	0399.3	0060	00.1	5451.5	07.2	0036.6	0340	07.4	DEQ
70219	0511.2	00.1	0533.0	0050	00.1	0457.2	00.0	0204.7	0040	00.1	6447.6	07.4	0038.1	0475	08.0	HTS
70252	0166.8	00.0	0694.5	0030	00.1	0148.4	00.0	0309.3	0030	00.1	0283.2	00.1	0066.7	0050	00.2	DEQ
70252	0250.3	00.0	0539.2	0045	00.0	0202.3	00.0	0240.8	0045	00.0	0967.4	00.6	0066.1	0120	00.6	HTS
70269	0120.8	00.0	0669.6	0040	00.1	0151.4	00.0	0199.2	0045	00.1	2097.1	01.6	0204.2	0170	01.7	DEQ
70269	0152.3	00.0	0642.5	0030	00.0	0207.4	00.0	0175.3	0040	00.0	2487.1	01.5	0158.3	0200	01.5	HTS
70297	0393.2	00.0	0712.0	0025	00.1	0105.5	00.0	0199.2	0030	00.1	3087.1	00.0	0169.2	0030	00.1	DEQ
70297	0091.1	00.0	0636.3	0020	00.0	0124.8	00.0	0204.4	0035	00.0	0115.6	00.0	0092.8	0035	00.0	HTS
70329	0140.1	00.0	0522.2	0035	00.0	0078.9	00.0	0301.4	0040	00.0	0088.1	00.0	0117.0	0040	00.0	HTS
70355	0107.9	00.0	0673.7	0030	00.0	0083.4	00.0	0310.8	0030	00.0	0398.7	00.0	0396.8	0030	00.0	HTS
70359	0337.3	00.0	2397.4	0050	00.0	0125.3	00.0	0948.3	0040	00.0	0144.6	00.0	0146.1	0040	00.0	HTS
70434	0225.8	00.0	0624.2	0000	00.0	0140.1	00.0	0257.8	0000	00.0	0106.4	00.0	0250.5	0000	00.0	HTS
70441	0140.1	00.0	2436.8	0000	00.0	0137.0	00.0	1497.7	0000	00.0	3915.4	04.9	0141.3	0260	04.6	HTS
70444	0262.5	00.0	0313.6	0010	00.0	0164.6	00.0	0177.7	0010	00.0	0112.6	00.0	0049.1	0000	00.0	HTS
70496	0516.5	00.1	0908.1	0040	00.1	0219.7	00.0	0279.6	0040	00.0	1691.5	01.6	0078.2	0140	01.8	HTS
70515	0078.9	00.0	1133.7	0020	00.0	0078.9	00.0	0490.7	0020	00.0	0075.8	00.0	0672.7	0000	00.0	HTS
70525	0115.6	00.0	0737.6	0020	00.0	0115.6	00.0	0267.5	0020	00.0	0118.7	00.0	0182.5	0020	00.0	HTS
70633	0195.2	00.0	1097.3	0000	00.0	1673.2	00.6	0541.7	0240	00.8	8698.7	09.9	0029.7	0600	10.0	HTS
70635	0098.7	00.0	0642.7	0000	00.0	0092.6	00.0	0208.2	0010	00.0	0092.6	00.0	0516.1	0010	00.0	HTS
74026	0215.8	00.0	0616.9	0025	00.1	0135.2	00.0	0336.8	0020	00.1	0117.7	00.0	0216.7	0020	00.1	DEQ
74026	0085.2	00.0	0599.8	0020	00.0	0067.2	00.0	0254.2	0020	00.0	0058.2	00.0	0173.8	0010	00.0	HTS
76005	0079.0	00.0	0849.5	0025	00.0	0125.0	00.0	0201.7	0020	00.0	2815.0	03.9	0064.2	0225	03.4	DEQ
76005	0067.0	00.0	0707.8	0025	00.1	0082.0	00.0	0261.7	0020	00.1	3339.1	04.9	0043.7	0260	05.8	HTS
76015	0353.7	00.0	0722.0	0035	00.1	0231.1	00.0	0284.3	0030	00.1	2691.5	03.4	0099.2	0240	03.3	DEQ
76015	0205.3	00.0	0706.9	0040	00.1	0154.2	00.0	0273.6	0035	00.1	3405.7	03.5	0100.8	0250	03.5	HTS
76017	1070.7	00.0	0912.1	0110	00.0	0775.6	00.0	0344.3	0070	00.0	6341.1	07.9	0039.1	0430	07.2	DEQ
76017	0103.0	00.0	0738.0	0145	00.1	0196.1	00.0	0292.1	0175	00.1	6077.8	07.4	0059.1	0660	07.8	HTS
76035	0215.8	00.0	1277.2	0030	00.0	0228.0	00.0	0969.6	0040	00.0	4501.9	06.8	0064.2	0340	07.0	DEQ
76035	0256.1	00.0	1339.2	0130	00.1	0193.1	00.0	0943.4	0140	00.1	4108.7	05.3	0089.2	0400	05.5	HTS
76037	0240.3	00.0	0972.1	0040	00.0	0448.7	00.0	0369.3	0055	00.0	7260.8	07.2	0039.1	0560	07.2	DEQ
76037	0358.3	00.0	0870.0	0030	00.0	0451.3	00.0	0305.3	0040	00.0	5864.6	05.2	0020.5	0200	02.4	HTS
76043	0121.7	00.0	0660.6	0000	00.0	0277.8	00.0	0364.5	0020	00.0	3275.7	00.3	0121.9	0190	04.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=57   MODEL YR(S)=1977

MAKE=PONT OLDS   MODEL=LEMANS GRAND PRIX CATALINA

EPA NO	---HI (LAB)--- HC	CO	NOX	HI (GAR) HC	CO	---LO (LAB)--- HC	CO	NOX	LO (GAR) HC	CO	--IDLE (LAB)-- HC	CO	NOX	IDLE(GAR) HC	CO	LAB
70013	0560.0	00.0	2067.6	0060	00.0	0416.0	00.0	0621.9	0055	00.0	0250.6	00.0	0662.0	0035	00.0	DEQ
70013	0490.2	00.0	1840.4	0120	00.0	0358.1	00.0	0509.8	0140	00.0	0202.1	00.0	0590.0	0135	00.1	HTS
70026	0365.9	00.0	1822.5	0070	00.0	0228.0	00.0	0459.4	0050	00.0	0142.2	00.0	0376.8	0040	00.0	DEQ
70026	0343.3	00.0	1743.9	0030	00.0	0202.3	00.0	0410.0	0020	00.0	0124.2	00.0	0334.5	0010	00.0	HTS
70028	0200.5	00.0	1700.0	0040	00.0	0157.6	00.0	1114.7	0035	00.0	0117.7	00.0	0221.7	0030	00.0	DEQ
70028	0127.1	00.0	1464.4	0140	00.0	0109.0	00.0	0900.8	0170	00.0	0064.0	00.0	0181.9	0175	00.0	HTS
70109	0188.2	00.0	1244.7	0025	00.1	0136.1	00.0	0514.4	0025	00.1	0093.2	00.0	0199.2	0020	00.1	DEQ
70109	0232.1	00.0	1204.2	0200	00.1	0139.1	00.0	0383.4	0230	00.1	0163.1	00.0	0117.8	0230	00.1	HTS
70117	0249.5	00.0	1172.2	0030	00.1	0264.8	00.0	0461.9	0050	00.1	3302.3	03.3	0064.2	0300	03.4	DEQ
70117	0337.3	00.0	1108.6	0050	00.0	0307.3	00.0	0439.2	0050	00.0	4205.3	03.3	0064.3	0340	03.2	HTS
70119	2268.7	01.7	1204.7	0180	01.7	2400.4	02.1	0456.9	0220	02.3	2372.9	01.1	0489.4	0220	01.4	DEQ
70119	0208.1	00.0	1093.7	0140	00.1	0157.1	00.0	0342.2	0200	01.5	0220.1	00.0	0121.8	0200	01.0	HTS
70157	0148.4	00.0	1052.1	0045	00.1	0102.4	00.0	0276.8	0040	00.1	0062.6	00.0	0216.7	0035	00.1	DEQ
70157	0202.1	00.0	1124.5	0050	00.0	0106.0	00.0	0344.7	0030	00.0	0058.0	00.0	0231.3	0030	00.0	HTS
70202	0050.3	00.0	0204.2	0020	00.1	0047.3	00.0	0121.7	0020	00.1	0041.1	00.0	0081.7	0020	00.1	DEQ
70202	0076.2	00.0	0206.2	0030	00.0	0064.2	00.0	0123.6	0030	00.0	0067.2	00.0	0094.4	0035	00.0	HTS
70206	0169.8	00.0	1467.3	0045	00.1	0139.2	00.0	0554.4	0040	00.1	0084.0	00.0	0306.8	0035	00.1	DEQ
70206	0277.1	00.0	1315.2	0060	00.0	0196.1	00.0	0359.2	0040	00.0	0136.1	00.0	0096.1	0040	00.0	HTS
70208	0191.3	00.0	2502.8	0055	00.1	0148.4	00.0	2502.8	0055	00.1	1141.1	00.2	0199.2	0150	00.3	DEQ
70208	0424.3	00.0	2438.1	0060	00.0	0259.3	00.0	2119.6	0060	00.0	2563.8	00.6	0206.2	0260	00.7	HTS
70262	0148.4	00.0	0922.1	0035	00.1	0200.5	00.0	0509.4	0040	00.1	2268.7	01.2	0084.2	0200	01.2	DEQ
70262	0271.1	00.0	2397.4	0050	00.0	0358.1	00.0	2397.4	0050	00.0	3379.0	03.9	0086.4	0310	04.1	HTS
70264	0604.9	00.0	1209.7	0075	00.1	0384.3	00.0	0471.9	0060	00.1	0301.6	00.0	0284.3	0050	00.1	DEQ
70264	0585.1	00.0	1187.0	0055	00.0	0407.7	00.0	0387.2	0090	00.0	0300.6	00.0	0251.1	0060	00.0	HTS
70274	1426.1	00.2	1199.7	0120	00.2	0543.6	00.0	0689.5	0080	00.1	0332.2	00.0	0241.7	0060	00.1	DEQ
70274	1129.6	00.1	0988.8	0120	00.2	0309.8	00.0	0525.7	0070	00.0	0175.2	00.0	0191.4	0060	00.0	HTS
70290	0485.4	00.0	1037.1	0060	00.1	0332.2	00.0	0401.8	0060	00.1	0218.8	00.0	0161.7	0045	00.1	DEQ
70290	0279.2	00.0	1041.4	0060	00.0	0221.1	00.0	0358.6	0060	00.0	0123.2	00.0	0184.3	0050	00.0	HTS
70340	0230.3	00.0	0298.9	0030	00.1	0227.2	00.0	0150.9	0040	00.1	1151.0	00.9	0048.2	0100	01.0	HTS
70341	0360.4	00.0	2436.8	0040	00.0	0553.2	00.0	2436.8	0060	00.0	3935.4	01.1	0204.4	0250	02.6	HTS
70343	0164.6	00.0	0796.4	0020	00.0	0137.0	00.0	0277.2	0015	00.0	0109.5	00.0	0252.9	0010	00.0	HTS
70360	0293.1	00.0	2436.8	0030	00.0	0189.1	00.0	1688.4	0020	00.0	2080.1	00.4	0126.7	0180	00.4	HTS
70428	0478.0	00.0	0444.5	0080	00.0	0309.8	00.0	0191.4	0020	00.0	0221.1	00.0	0134.1	0000	00.0	HTS
70433	0655.5	00.0	1621.5	0050	00.0	0395.4	00.0	0516.1	0060	00.0	0875.7	00.2	0153.2	0110	00.2	HTS
70439	1349.9	00.1	2397.4	0070	00.1	1710.8	00.0	1631.6	0100	00.1	2344.0	01.0	0210.5	0150	01.2	HTS
70456	0631.0	00.0	1220.4	0100	00.0	0557.6	00.0	0542.4	0100	00.0	3469.0	02.3	0136.5	0280	02.4	HTS
70465	0511.7	00.0	1210.9	0050	00.0	0263.9	00.0	0356.6	0030	00.0	0159.9	00.0	0275.0	0020	00.0	HTS
70477	0159.9	00.0	1363.7	0000	00.0	0120.1	00.0	0535.2	0000	00.0	0068.1	00.0	0413.5	0000	00.0	HTS
70547	0202.7	00.0	1413.8	0040	00.0	0144.6	00.0	0501.8	0020	00.0	0068.1	00.0	0313.2	0010	00.0	HTS
70546	0190.5	00.0	1709.9	0040	00.0	0120.1	00.0	0540.0	0020	00.0	0068.1	00.0	0351.4	0010	00.0	HTS
70550	0109.5	00.0	1048.8	0020	00.0	0072.8	00.0	0306.3	0000	00.0	0048.3	00.0	0175.3	0000	00.0	HTS
70554	0371.0	00.0	1418.6	0040	00.0	0364.9	00.0	0685.6	0050	00.0	0211.9	00.0	0208.2	0030	00.0	HTS
70562	0572.9	00.0	1189.4	0040	00.0	0456.6	00.0	0425.4	0060	00.0	1206.1	00.5	0088.8	0100	00.6	HTS
70589	0802.3	00.0	0984.1	0060	00.0	0426.0	00.0	0337.1	0040	00.0	0276.1	00.0	0396.8	0030	00.0	HTS
70639	0263.9	00.0	2097.1	0040	00.0	0635.8	00.2	0587.8	0060	00.2	0403.3	00.2	0204.4	0030	00.2	HTS
76020	0620.2	00.0	1797.5	0050	00.1	0381.2	00.0	0822.0	0045	00.1	2921.3	02.3	0121.7	0240	02.3	DEQ
76020	0481.3	00.0	1670.9	0060	00.0	0367.3	00.0	0582.8	0050	00.0	3575.6	03.6	0049.7	0260	01.0	HTS
76027	0506.9	00.0	1795.0	0070	00.0	0329.2	00.0	0769.5	0050	00.0	3212.4	02.4	0116.7	0250	02.4	DEQ
76027	0310.1	00.0	1504.5	0125	00.1	0313.1	00.0	0597.7	0150	00.1	3369.1	02.2	0086.7	0375	02.4	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=58 MODEL YR(S)=1977

MAKE=PCNT OLDS BUICK MODEL=CLDS 88 LESABRE ELECTRA RIVIERA OLDS 98 CATALINA

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70030	0326.1	00.0	1044.6	0035	00.0	0316.5	00.3	0506.9	0040	00.5	0145.3	00.0	0401.8	0025	00.0	DEQ
70030	0109.0	00.0	0768.1	0145	00.1	0079.0	00.0	0603.1	0180	00.1	0061.0	00.0	0397.3	0205	00.1	HTS
70040	0316.9	00.0	0727.0	0035	00.1	0249.5	00.0	0687.0	0030	00.1	0341.4	00.0	0101.7	0035	00.1	DEQ
70040	0160.1	00.0	0768.0	0150	00.1	0133.1	00.0	0750.5	0175	00.1	0610.2	00.2	0186.9	0275	00.4	HTS
70049	0304.6	00.0	0762.0	0040	00.0	0234.2	00.0	0699.5	0040	00.0	0237.2	00.0	0171.7	0040	00.0	DEQ
70049	0187.1	00.0	0668.2	0150	00.0	0175.1	00.0	0552.6	0150	00.0	0193.1	00.0	0159.3	0160	00.1	HTS
70060	0194.3	00.0	2385.3	0040	00.1	0172.9	00.0	2207.7	0040	00.1	2118.6	01.7	0151.7	0160	01.9	DEQ
70060	0163.1	00.0	2163.3	0150	00.1	0133.1	00.0	2108.2	0170	00.1	3109.2	02.5	0161.8	0400	02.9	HTS
70061	0139.2	00.0	0752.0	0025	00.1	0111.6	00.0	0601.9	0025	00.1	0108.5	00.0	0321.8	0020	00.1	DEQ
70061	0202.3	00.0	0877.3	0040	00.0	0145.2	00.0	0575.5	0040	00.0	0190.3	00.1	0210.4	0020	00.1	HTS
70118	0194.3	00.0	1457.2	0035	00.1	0117.7	00.0	0636.9	0025	00.1	0120.8	00.0	0134.2	0020	00.1	DEQ
70118	0164.3	00.0	0789.7	0040	00.0	0145.2	00.0	0526.8	0035	00.0	0277.3	00.2	0040.0	0050	00.3	HTS
70142	0188.2	00.0	1017.1	0040	00.1	0136.1	00.0	0927.1	0040	00.1	0099.4	00.0	0444.3	0030	00.1	DEQ
70142	0484.3	00.0	1018.3	0010	00.0	0250.3	00.0	0896.7	0010	00.0	0184.3	00.0	0400.7	0010	00.0	HTS
70152	0332.2	00.0	1384.8	0040	00.1	0295.4	00.0	1054.6	0040	00.1	2553.6	02.3	0246.7	0215	02.4	DEQ
70152	0136.1	00.0	1153.5	0180	00.1	0118.1	00.0	0885.5	0230	00.1	3768.9	01.6	0093.7	0450	02.0	HTS
70207	0145.3	00.0	0832.0	0035	00.1	0099.4	00.0	0704.5	0035	00.1	0231.1	00.1	0156.7	0035	00.1	DEQ
70207	0106.2	00.0	0296.2	0030	00.0	0097.2	00.0	0179.5	0035	00.0	0088.2	00.0	0079.8	0030	00.0	HTS
70211	0543.6	00.0	0784.5	0070	00.1	1662.0	01.0	0384.3	0160	01.3	1738.6	00.9	0114.2	0170	01.1	DEQ
70211	0406.2	00.1	0214.4	0060	00.1	0289.1	00.1	0091.3	0060	00.1	0916.4	00.8	0059.9	0130	00.9	HTS
70214	0601.9	00.1	0474.4	0070	00.2	0270.5	00.0	0316.8	0050	00.1	1579.3	01.0	0109.2	0155	01.5	DEQ
70214	0358.3	00.0	0660.9	0060	00.0	0196.3	00.0	0395.9	0045	00.0	0610.4	00.3	0104.1	0095	00.4	HTS
70246	0292.4	00.0	0667.0	0030	00.1	0231.1	00.0	0664.5	0030	00.1	0234.2	00.0	0184.2	0030	00.1	DEQ
70246	0451.3	00.0	0728.5	0050	00.0	0310.3	00.0	0616.9	0060	00.0	0208.3	00.0	0155.8	0050	00.0	HTS
70257	0231.1	00.0	1059.6	0055	00.1	0142.2	00.0	1122.2	0050	00.1	0105.5	00.0	0189.2	0045	00.1	DEQ
70257	0292.3	00.0	0726.1	0030	00.0	0187.3	00.0	0648.4	0028	00.0	0139.2	00.0	0175.3	0020	00.0	HTS
70276	1113.5	00.0	1132.2	0065	00.1	0473.2	00.0	1054.6	0050	00.1	2173.7	01.4	0184.2	0180	01.5	DEQ
70276	0224.1	00.0	1196.6	0070	00.0	0227.2	00.0	1093.9	0070	00.0	0946.1	00.6	0198.6	0180	00.7	HTS
70301	0313.8	00.0	2227.7	0040	00.1	0436.4	00.0	1637.4	0050	00.1	5351.5	07.0	0051.7	0360	06.9	DEQ
70301	0358.7	00.0	2311.5	0040	00.1	0796.2	00.0	1561.8	0080	00.0	5228.2	07.5	0072.1	0440	08.0	HTS
70334	0493.3	00.0	0623.6	0030	00.1	0854.3	00.3	0351.4	0100	00.3	3369.1	02.2	0064.9	0240	02.1	HTS
70344	0305.3	00.0	1017.3	0050	00.0	0287.0	00.0	0934.8	0060	00.1	2640.1	01.7	0299.0	0150	01.8	HTS
70346	1257.0	00.0	0568.3	0070	00.0	1403.5	00.3	0379.1	0100	00.4	3735.5	01.8	0153.4	0210	01.6	HTS
70351	0176.8	00.0	1124.0	0020	00.0	0134.0	00.0	1060.9	0020	00.0	0097.3	00.0	0333.0	0010	00.0	HTS
70442	0279.2	00.0	0685.6	0000	00.0	0878.8	00.4	0351.4	0060	00.4	0863.5	00.6	0310.8	0060	00.6	HTS
70448	0187.4	00.0	0583.0	0000	00.0	0276.1	00.0	0475.5	0010	00.0	3339.1	03.0	0112.7	0220	02.8	HTS
70449	0222.7	00.0	0852.3	0020	00.0	0140.1	00.0	0777.0	0010	00.0	0556.3	00.3	0075.8	0040	00.3	HTS
70458	0163.0	00.0	0623.6	0020	00.0	0114.0	00.0	0597.3	0020	00.0	0092.6	00.0	0107.9	0010	00.0	HTS
70462	0152.3	00.0	1046.4	0000	00.0	0137.0	00.0	1024.5	0000	00.0	1627.3	00.6	0146.1	0110	00.4	HTS
70494	0303.7	00.0	0647.4	0040	00.0	0184.4	00.0	0695.2	0030	00.0	0823.7	00.4	0088.8	0100	00.5	HTS
70495	0228.8	00.0	0730.9	0030	00.0	0173.8	00.0	0648.4	0040	00.0	0149.3	00.0	0490.7	0020	00.0	HTS
70537	0297.6	00.0	1764.8	0030	00.0	0312.8	00.0	1399.5	0040	00.0	0273.1	00.0	0117.4	0015	00.0	HTS
70540	0170.7	00.0	0672.7	0030	00.0	0164.6	00.0	0565.9	0030	00.0	0094.2	00.0	0146.1	0020	00.0	HTS
70562	0605.2	00.0	1179.8	0060	00.0	0351.2	00.0	1000.3	0040	00.0	0235.0	00.0	0291.7	0020	00.0	HTS
70594	0537.9	00.0	0697.0	0060	00.1	0430.8	00.0	0357.2	0050	00.1	3907.0	02.5	0092.8	0280	02.8	HTS
70597	0432.1	00.0	0876.6	0030	00.0	0646.3	00.0	0494.6	0050	00.0	4060.6	03.9	0100.7	0340	04.1	HTS
70606	1209.1	00.0	0862.3	0080	00.1	2383.8	00.3	0697.6	0180	00.4	4850.7	03.1	0110.3	0330	03.2	HTS
70624	0161.3	00.0	0647.4	0020	00.0	0144.6	00.0	0439.7	0030	00.0	0126.2	00.0	0162.8	0020	00.0	HTS
70659	0233.3	00.0	0922.0	0040	00.0	0144.6	00.0	0704.7	0020	00.0	0083.4	00.0	0224.9	0010	00.0	HTS
76026	0243.4	00.0	1034.6	0040	00.0	0240.3	00.0	0579.4	0040	00.0	3572.2	02.0	0171.7	0260	02.0	DEQ
76026	0145.1	00.0	0953.4	0150	00.1	0139.1	00.0	0510.0	0150	00.1	1831.7	00.6	0181.9	0350	01.0	HTS
76036	0467.0	00.0	0651.9	0050	00.0	0356.7	00.0	0619.4	0050	00.0	0286.3	00.0	0244.2	0045	00.0	DEQ
76036	0214.1	00.0	0863.2	0100	00.0	0157.1	00.0	0662.8	0110	00.0	0124.1	00.0	0227.0	0100	00.0	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=59   MODEL YR(S)=1977

MAKE=PONT OLDS BUICK   MODEL=FBIRD CUTLS CNTRY LEMANS OLDS 88 LESABRE REGAL CATALINA

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70031	0387.4	00.0	0787.0	0035	00.1	0393.5	00.0	0176.7	0030	00.1	0166.8	00.0	0699.5	0025	00.1	DEQ
70031	0181.1	00.0	0750.5	0140	00.1	0148.1	00.0	0164.4	0190	00.1	0085.0	00.0	0397.3	0210	00.1	HTS
70092	0123.9	00.0	0862.0	0040	00.0	0304.6	00.0	0229.2	0050	00.0	5411.5	09.0	0024.1	0370	09.4	DEQ
70092	0247.3	00.0	2122.0	0030	00.0	0256.3	00.0	0549.0	0040	00.0	6694.3	09.7	0048.2	0360	09.2	HTS
70098	1459.8	01.0	2502.8	0100	01.1	2207.4	01.5	2192.7	0170	01.1	2375.9	01.5	0164.2	0180	01.5	DEQ
70098	1138.5	00.6	2438.1	0085	00.3	1579.6	00.8	2015.0	0130	00.4	0424.3	00.0	0121.1	0060	00.1	HTS
70106	2425.0	03.3	0511.9	0150	02.8	3352.3	03.4	0114.2	0220	03.1	5331.5	06.7	0044.2	0360	05.8	DEQ
70106	2633.0	03.4	0496.8	0325	04.0	3389.0	03.5	0129.9	0450	04.0	5907.9	07.0	0062.3	0700	08.0	HTS
70123	0326.1	00.0	2502.8	0040	00.1	2118.6	01.1	1770.0	0190	01.4	9989.7	09.4	0074.2	0680	09.6	DEQ
70123	1414.5	00.5	2430.3	0100	00.6	3425.7	01.0	1904.5	0220	01.4	9992.8	09.7	0037.5	0220	02.2	HTS
70132	0126.9	00.0	0574.4	0020	00.0	0145.3	00.0	0316.8	0030	00.0	0065.6	00.0	0281.8	0025	00.0	DEQ
70132	0277.3	00.0	0670.4	0040	00.0	0217.3	00.0	0307.7	0040	00.1	0127.2	00.0	0285.8	0035	00.1	HTS
70150	2277.9	02.8	0704.5	0140	02.6	2852.5	03.2	0191.7	0210	03.2	4182.0	04.8	0099.2	0320	04.8	DEQ
70150	0871.3	00.7	0255.4	0200	01.0	0670.3	00.9	0055.0	0250	01.2	0175.1	00.0	0214.4	0240	00.1	HTS
70186	0362.9	00.0	0599.4	0045	00.1	0295.4	00.0	0184.2	0045	00.1	0200.5	00.0	0451.8	0040	00.1	DEQ
70186	0112.2	00.0	0583.1	0030	00.0	0142.2	00.0	0172.2	0040	00.0	0061.2	00.0	0327.8	0030	00.0	HTS
70187	0053.4	00.0	0336.8	0020	00.1	0099.4	00.0	0226.7	0030	00.1	0543.6	00.4	0782.0	0075	00.3	DEQ
70187	0046.2	00.0	0330.2	0030	00.0	0058.2	00.0	0186.8	0030	00.0	0487.3	00.2	0544.2	0080	00.4	HTS
70233	0427.2	00.0	2502.8	0050	00.1	0445.6	00.0	2292.7	0055	00.1	3392.3	05.6	0124.2	0290	05.6	DEQ
70233	0358.3	00.0	2436.8	0060	00.1	0652.4	00.2	1446.7	0080	00.1	3815.5	05.6	0126.7	0320	04.8	HTS
70282	0393.5	00.0	2502.8	0040	00.1	2182.9	01.4	1674.9	0160	01.5	3882.1	05.7	0064.2	0275	05.0	DEQ
70282	0672.5	00.1	2436.8	0060	00.0	2661.5	01.4	1551.1	0190	01.4	4965.0	05.8	0087.9	0350	05.0	HTS
70283	0479.3	00.7	0236.7	0045	00.7	1184.0	01.6	0099.2	0105	01.7	1131.9	01.5	0051.7	0100	01.6	DEQ
70283	0449.2	00.6	0243.2	0050	00.7	1201.9	01.5	0104.9	0100	01.5	0944.9	01.3	0061.2	0090	01.3	HTS
70299	2051.1	00.4	2502.8	0050	00.4	1600.7	00.4	1512.4	0070	00.4	4821.7	05.1	0069.2	0390	04.9	DEQ
70299	2307.3	00.6	2397.4	0170	00.7	2499.5	00.7	1251.5	0220	00.5	5927.9	05.0	0064.9	0580	05.2	HTS
70300	0690.7	00.2	1339.8	0060	00.3	0644.8	00.2	0887.1	0060	00.4	1401.6	00.9	0166.7	0100	00.9	DEQ
70300	1105.1	00.8	2173.0	0110	01.0	1114.3	00.6	1349.9	0140	00.7	1845.4	01.2	0189.1	0180	01.3	HTS
70317	1067.6	00.7	2432.8	0075	00.6	2005.2	01.3	1464.8	0150	01.4	4781.7	07.7	0036.6	0330	07.8	DEQ
70317	0204.4	00.1	1636.0	0050	00.1	1238.6	00.9	1422.5	0150	01.0	3375.7	05.6	0053.9	0260	05.3	HTS
70328	2298.1	01.5	2397.4	0180	01.6	4348.6	05.8	0511.4	0350	06.0	8736.6	09.8	0043.4	0360	09.5	HTS
70353	0161.5	00.0	1031.8	0020	00.0	0127.9	00.0	0169.8	0020	00.0	0216.6	00.0	0151.0	0020	00.0	HTS
70352	0299.2	00.0	0730.9	0030	00.1	0201.3	00.0	0214.1	0030	00.0	0357.4	00.4	0063.6	0040	00.6	HTS
70357	0101.8	00.0	0349.0	0030	00.0	0138.5	00.0	0146.1	0030	00.0	0542.3	00.9	0067.3	0060	01.0	HTS
70406	0120.1	00.0	0735.8	0050	00.0	0135.4	00.0	0251.1	0025	00.0	0077.3	00.0	0917.2	0000	00.0	HTS
70407	0874.5	00.0	2436.8	0100	00.1	0511.2	00.1	1708.8	0150	00.6	4815.1	02.1	0337.8	0350	02.2	HTS
70409	0132.4	00.0	0590.1	0020	00.0	0098.7	00.0	0196.2	0010	00.0	0052.8	00.0	0294.1	0010	00.0	HTS
70502	0271.7	00.2	0951.7	0020	00.2	2386.1	01.8	1587.5	0180	02.0	3865.5	06.6	0075.8	0220	07.0	HTS
70509	0198.2	00.0	0859.5	0020	00.0	0629.7	00.4	0078.2	0080	00.5	7733.6	09.5	0032.1	0500	09.8	HTS
70510	0031.4	00.0	1576.2	0000	00.0	0066.5	00.0	0868.6	0050	00.2	0909.4	01.1	0208.2	0050	01.2	HTS
70526	0143.2	00.0	0995.4	0025	00.0	0182.9	00.0	0218.9	0040	00.0	0057.5	00.0	0235.9	0020	00.0	HTS
70572	0159.9	00.0	0554.3	0040	00.0	0233.3	00.1	0091.2	0040	00.1	3150.1	04.0	0076.8	0200	04.2	HTS
70654	0158.5	00.0	0895.9	0010	00.0	0155.4	00.0	0235.9	0010	00.0	2572.8	01.7	0148.6	0180	01.8	HTS
70657	0215.0	00.0	0568.7	0030	00.0	0624.9	00.3	0148.5	0075	00.1	2570.4	03.2	0103.1	0180	03.2	HTS
70658	0259.4	00.0	1082.8	0020	00.0	0182.9	00.0	0291.7	0020	00.0	0118.7	00.0	0102.5	0010	00.0	HTS
70668	0201.3	00.0	0650.9	0030	00.0	0317.6	00.0	0187.4	0040	00.0	2777.8	03.6	0085.5	0190	03.5	HTS
70670	0170.7	00.0	0624.2	0020	00.1	0186.0	00.0	0175.3	0020	00.0	0072.8	00.0	0109.7	0020	00.0	HTS
76019	1401.6	00.0	2502.8	0145	00.0	3612.2	01.4	1965.1	0275	01.3	9989.7	11.1	0039.1	1100	10.0	DEQ
76019	0601.4	00.1	2430.3	0170	00.2	3715.5	01.6	1756.1	0390	01.8	9992.8	11.1	0025.4	1300	10.0	HTS
76029	0393.5	00.1	2502.8	0030	00.0	1799.9	00.9	2457.8	0170	01.0	6850.9	09.0	0074.2	0460	07.9	DEQ
76029	0247.3	00.0	1950.8	0030	00.1	2785.9	01.4	1778.0	0220	06.0	7224.0	08.2	0025.4	0520	08.0	HTS
76044	0250.3	00.0	1444.3	0010	00.0	0583.8	00.3	0556.2	0040	00.1	3525.6	05.5	0080.6	0200	05.8	HTS
76045	0182.9	00.0	0706.7	0030	00.0	0158.2	00.0	0197.1	0050	00.0	2823.7	04.0	0061.2	0170	04.0	HTS
76048	0149.3	00.0	0624.2	0020	00.0	0149.3	00.0	0262.6	0020	00.0	1593.6	01.7	0070.9	0090	01.6	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=60 MODEL YR(S)=1977

MAKE=OLDS MODEL=CUTLASS OLDS 88

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70001	0050.1	00.0	0615.7	0020	00.1	0044.1	00.0	0645.6	0020	00.1	0080.1	00.0	0092.7	0020	00.1	DEQ
70001	0034.2	00.0	0357.9	0010	00.0	0037.2	00.0	0552.8	0010	00.0	0025.1	00.0	0297.9	0010	00.0	HTS
70002	0050.1	00.0	0379.1	0020	00.1	0050.1	00.0	0436.4	0020	00.1	0026.1	00.0	0673.0	0010	00.1	DEQ
70002	0088.0	00.0	0597.8	0020	00.1	0061.0	00.0	0475.4	0015	00.1	0052.0	00.0	0357.9	0015	00.1	HTS
70011	0112.7	00.0	0546.9	0020	00.0	0097.4	00.0	0391.8	0025	00.0	0091.3	00.0	0164.2	0020	00.0	DEQ
70011	0199.3	00.0	0650.9	0030	00.0	0130.2	00.0	0434.3	0030	00.0	0109.2	00.0	0186.0	0020	00.0	HTS
70041	0168.2	00.0	0804.5	0035	00.1	0126.9	00.0	0559.4	0030	00.1	0840.8	00.4	0046.7	0160	00.7	DEQ
70041	0217.1	00.0	0808.1	0140	00.1	0133.1	00.0	0587.7	0150	00.1	0112.0	00.0	0327.2	0140	00.1	HTS
70054	0197.4	00.0	0729.5	0035	00.1	0157.4	00.0	0561.9	0040	00.1	2550.6	01.1	0056.7	0260	01.1	DEQ
70054	0169.1	00.0	0815.6	0160	00.1	0151.1	00.0	0635.3	0160	00.1	3608.9	01.7	0061.6	0420	02.0	HTS
70058	0203.5	00.0	1039.6	0030	00.1	0126.5	00.0	0909.6	0030	00.1	0099.4	00.0	0541.9	0025	00.1	DEQ
70058	0172.3	00.0	1266.8	0040	00.0	0109.2	00.0	0950.3	0040	00.0	0091.2	00.0	0451.3	0035	00.0	HTS
70073	0258.7	00.0	0832.0	0040	00.0	0221.9	00.0	0641.9	0040	00.0	0209.7	00.0	0179.2	0040	00.0	DEQ
70073	0265.3	00.0	0855.4	0050	00.0	0211.3	00.0	0641.2	0050	00.0	0202.3	00.0	0181.1	0050	00.0	HTS
70093	0191.3	00.0	1149.7	0040	00.0	0130.0	00.0	0709.5	0030	00.0	0935.8	00.5	0119.2	0180	01.4	DEQ
70093	0523.2	00.0	0895.2	0160	00.1	0238.1	00.0	0617.5	0200	00.1	0271.1	00.0	0096.1	0210	00.1	HTS
70108	0179.0	00.0	0561.9	0025	00.1	0169.8	00.0	0441.8	0040	00.1	2758.9	01.2	0059.2	0230	01.2	DEQ
70108	0247.1	00.0	0479.9	0175	00.1	0154.1	00.0	0347.2	0225	00.1	2339.5	00.6	0055.0	0600	01.0	HTS
70128	0522.2	00.0	0964.6	0060	00.1	0439.5	00.0	0656.9	0060	00.1	3012.4	03.2	0111.7	0250	03.4	DEQ
70128	0328.3	00.0	1001.5	0035	00.0	0703.4	00.2	0631.5	0070	00.2	3825.5	03.6	0105.7	0290	03.4	HTS
70133	0120.8	00.0	0536.9	0030	00.0	0145.3	00.0	0501.9	0040	00.0	0071.8	00.0	0319.3	0030	00.0	DEQ
70133	0223.3	00.0	0580.4	0050	00.0	0190.3	00.0	0422.1	0050	00.0	0133.2	00.0	0341.8	0040	00.0	HTS
70136	0298.5	00.0	0784.5	0050	00.0	0457.8	00.0	0624.4	0065	00.0	4691.8	05.3	0064.2	0370	05.4	DEQ
70136	0460.3	00.0	0716.7	0050	00.0	0454.3	00.0	0480.6	0050	00.0	5154.9	04.2	0064.3	0390	04.3	HTS
70177	0154.5	00.0	1072.1	0030	00.1	0154.5	00.0	0351.8	0030	00.1	4212.0	04.0	0129.2	0340	04.0	DEQ
70177	0250.3	00.0	0906.4	0040	00.0	0241.3	00.0	0656.0	0050	00.0	4035.4	02.9	0128.4	0310	02.6	HTS
70224	1815.2	01.5	2327.8	0130	01.5	2305.5	02.6	1397.3	0175	02.5	4351.9	06.3	0081.7	0310	06.0	DEQ
70224	0280.3	00.0	2438.1	0045	00.0	0274.3	00.0	2105.0	0040	00.0	2818.9	02.4	0298.6	0260	02.3	HTS
70235	0188.2	00.0	0902.1	0040	00.1	0451.7	00.0	0699.5	0040	00.1	9989.7	10.1	0021.6	0900	09.2	DEQ
70235	0241.1	00.0	0914.8	0050	00.0	0769.3	00.0	0583.0	0060	00.0	9996.0	08.0	0029.1	1550	07.8	HTS
70279	0145.3	00.0	0526.9	0030	00.1	0120.8	00.0	0411.8	0030	00.1	0105.5	00.0	0151.7	0030	00.1	DEQ
70279	0283.9	00.0	0544.1	0060	00.0	0176.8	00.0	0430.0	0060	00.0	0137.0	00.0	0163.1	0060	00.0	HTS
70304	0185.1	00.0	0281.8	0030	00.1	0151.4	00.0	0166.7	0030	00.1	0151.4	00.0	0231.7	0030	00.1	DEQ
70304	0159.9	00.0	0413.5	0065	00.0	0129.3	00.0	0301.3	0070	00.0	0126.2	00.0	0148.5	0060	00.0	HTS
70311	0218.8	00.0	2502.8	0040	00.1	0179.0	00.0	2092.6	0040	00.1	2418.8	01.9	0164.2	0220	02.0	DEQ
70311	0182.9	00.0	2436.8	0050	00.0	0155.4	00.0	2017.0	0055	00.0	1088.7	00.4	0170.4	0155	00.4	HTS
70316	0194.3	00.0	0759.5	0040	00.1	0176.0	00.0	0456.9	0040	00.1	3542.2	02.5	0069.2	0330	02.8	DEQ
70316	0308.4	00.0	0529.5	0060	00.0	0164.6	00.0	0333.0	0060	00.0	0149.3	00.0	0083.0	0060	00.0	HTS
70322	0147.7	00.0	0630.7	0060	00.0	0117.1	00.0	0556.7	0065	00.0	0092.6	00.0	0191.4	0060	00.0	HTS
70324	0259.4	00.0	0296.6	0050	00.0	0179.9	00.0	0248.1	0050	00.0	0788.8	00.5	0039.4	0100	00.5	HTS
70394	0236.4	00.0	0630.7	0020	00.0	0233.3	00.0	0399.1	0030	00.0	0211.9	00.0	0267.8	0020	00.0	HTS
70513	0361.8	00.0	0335.4	0080	00.2	0244.1	00.0	0379.1	0040	00.2	0354.3	00.0	0058.8	0020	00.1	HTS
70541	1031.7	00.0	1222.8	0080	00.0	1819.7	00.0	0905.3	0180	00.0	9992.3	10.8	0019.5	1000	10.0	HTS
70542	0279.2	00.0	1366.1	0020	00.0	0169.1	00.0	0766.8	0020	00.0	2903.8	01.2	0153.2	0200	01.3	HTS
70574	0115.6	00.0	2436.8	0020	00.0	0103.4	00.0	2126.2	0040	00.1	2422.9	01.2	0204.4	0180	01.2	HTS
70586	0481.1	00.0	0554.3	0040	00.1	0352.6	00.0	0460.3	0040	00.0	0312.8	00.0	0122.2	0020	00.0	HTS
70599	0251.7	00.0	1108.2	0020	00.0	0153.8	00.0	0910.1	0020	00.0	0129.3	00.0	0232.0	0010	00.0	HTS
70630	0170.7	00.0	1019.7	0035	00.0	0124.8	00.0	0752.8	0030	00.0	0100.3	00.0	0369.4	0020	00.0	HTS
70653	0215.0	00.0	2397.4	0040	00.0	0135.4	00.0	2077.5	0040	00.0	0496.4	00.2	0117.4	0070	00.2	HTS
70666	0242.5	00.0	0957.8	0010	00.0	0193.5	00.0	0750.1	0010	00.0	0343.4	00.2	0050.6	0030	00.3	HTS
70672	0178.3	00.0	2397.4	0030	00.0	0169.1	00.0	0709.5	0030	00.0	3250.1	02.3	0282.2	0390	02.1	HTS
74002	0146.1	00.0	1196.1	0015	00.0	0086.1	00.0	0969.4	0010	00.0	0161.1	00.0	0192.3	0010	00.0	DEQ
74002	0115.5	00.0	0897.7	0020	00.0	0082.3	00.0	0682.8	0030	00.0	0175.7	00.0	0130.5	0030	00.0	HTS
74003	0119.1	00.0	2483.8	0025	00.0	0092.1	00.0	2354.3	0020	00.0	0071.1	00.0	0331.8	0010	00.0	DEQ
74003	0076.3	00.0	2504.5	0055	00.0	0070.3	00.0	2217.1	0050	00.0	0064.3	00.0	0292.9	0035	00.0	HTS
74027	0359.8	00.0	0629.4	0040	00.1	0267.9	00.0	0501.9	0040	00.1	0209.7	00.0	0251.8	0040	00.1	DEQ
74027	0232.1	00.0	0512.5	0150	00.1	0133.1	00.0	0211.9	0190	00.1	1459.6	01.0	0542.6	0280	01.9	HTS
76001	0194.1	00.0	0917.1	0030	00.0	0143.1	00.0	0443.9	0020	00.0	1376.5	01.7	0030.4	0170	01.7	DEQ
76001	0103.4	00.0	0785.2	0020	00.0	0112.4	00.0	0395.4	0022	00.0	3588.9	02.3	0068.0	0270	02.2	HTS
76002	0116.1	00.0	0787.0	0030	00.0	0116.1	00.0	0446.8	0030	00.0	1616.6	01.2	0069.2	0150	01.1	DEQ
76002	0007.2	00.0	0001.9	0020	00.1	0007.2	00.0	0000.0	0030	00.2	0007.2	00.0	0000.0	0020	00.1	HTS
76039	0460.9	00.0	0584.4	0040	00.0	0418.0	00.0	0601.9	0050	00.0	3592.2	02.5	0076.7	0320	02.4	DEQ
76039	0241.1	00.0	0567.6	0170	00.1	0244.1	00.0	0530.1	0210	00.1	3569.0	01.1	0059.1	0480	01.5	HTS
76040	0264.8	00.0	1059.6	0045	00.1	0206.6	00.0	0692.0	0045	00.1	2614.9	01.5	0166.7	0260	01.7	DEQ
76040	0205.1	00.0	0793.8	0050	00.0	0175.1	00.0	0552.4	0050	00.0	1420.5	00.8	0115.4	0190	01.1	HTS

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                                     APPENDIX D - FEDERAL THREE-MODE TEST RESULTS
CELL NO=61    MODEL YR(S)=1975,1976
   MAKE=TOYOTA                    MODEL=CCRONA
           ---HI (LAB)---      HI (GAR)       ---LO (LAB)---      LO (GAR)          --IDLE (LAB)--      IDLE(GAR)
EPA NO     HC     CO     NOX    HC    CO      HC     CO     NOX    HC    CO         HC     CO     NOX    HC    CO  LAB

50020   0653.9 00.1 2502.8   0050 00.2   1043.1 00.6 0937.1   0080 00.7   0758.1 00.7 0069.2   0070 00.8 DEQ
50020   0592.3 00.3 2160.1   0040 00.3   0847.4 01.2 0650.9   0060 01.4   0742.4 00.9 0064.3   0060 00.9 HTS
50024   0715.2 00.1 2502.8   0050 00.1   1205.5 00.3 1522.4   0095 00.4   1156.4 02.0 0081.7   0090 02.2 DEQ
50024   0781.3 00.1 2511.5   0225 00.2   1297.5 00.6 1239.0   0300 01.8   0991.4 01.8 0134.3   0300 02.0 HTS
50030   0779.6 00.1 2502.8   0055 00.1   1000.2 00.7 1364.8   0075 00.7   0405.8 00.2 0089.2   0040 00.2 DEQ

50030   0841.3 00.1 2511.5   0200 00.2   0781.3 01.2 0938.4   0160 01.4   0343.1 00.3 0076.7   0140 00.5 HTS
50047   0810.2 00.1 2137.7   0050 00.1   1260.6 00.5 0947.1   0100 00.5   0896.0 00.9 0051.7   0060 00.9 DEQ
50047   0769.3 00.1 2233.4   0150 00.2   1204.5 00.8 0858.2   0225 01.0   0628.2 00.8 0084.2   0175 01.0 HTS
50048   0601.0 00.1 2502.8   0060 00.1   0591.0 00.9 1004.6   0080 01.0   0378.2 00.7 0064.2   0040 00.8 DEQ
50048   0934.4 00.1 2511.5   0150 00.2   0976.4 01.2 2511.5   0200 01.3   0343.1 00.6 1867.7   0175 00.6 HTS

50049   0402.7 00.1 1144.7   0040 00.1   0424.1 00.1 0511.9   0050 00.2   0332.2 00.5 0056.7   0040 00.6 DEQ
50049   0439.3 00.1 2430.3   0010 00.2   0187.3 00.2 0497.6   0000 00.2   0214.3 00.5 0059.4   0000 00.5 HTS
50050   0847.0 00.1 2370.3   0060 00.1   1058.4 00.3 1319.8   0090 00.3   0644.8 01.0 0054.2   0060 01.2 DEQ
50050   0796.3 00.1 2511.5   0140 00.1   1567.6 00.9 1424.3   0270 01.0   0418.2 00.8 0054.1   0220 01.2 HTS
50089   0813.3 00.1 1992.6   0055 00.2   1248.4 00.3 0907.1   0090 00.4   0543.6 00.3 0081.7   0055 00.4 DEQ

50089   0634.2 00.2 1909.1   0160 00.1   1438.6 00.9 0704.5   0260 01.2   0289.1 00.4 0069.5   0200 00.6 HTS
50122   0801.0 00.2 2377.8   0050 00.2   1174.8 01.1 0889.6   0085 01.2   0301.6 00.6 0076.7   0035 00.6 DEQ
50122   0850.4 00.3 2291.6   0060 00.4   1174.5 01.4 0758.0   0080 01.5   0292.3 00.5 0088.6   0040 00.6 HTS
50135   1484.3 00.2 2502.8   0085 00.2   3312.3 02.2 1752.5   0240 02.2   3442.3 02.4 0101.7   0240 02.4 DEQ
50135   1714.6 00.2 2438.1   0050 00.2   3435.6 02.4 1594.4   0220 00.7   3715.5 02.1 0116.3   0190 00.7 HTS

50141   0828.6 01.1 1695.0   0055 01.3   1159.5 01.5 0679.5   0085 01.7   0779.6 00.6 0076.7   0065 00.7 DEQ
50141   0733.4 01.0 1703.8   0050 01.1   1708.6 01.9 0570.9   0130 01.9   0718.4 00.7 0057.9   0050 00.7 HTS
50206   0727.5 00.1 2502.8   0060 00.2   0840.6 01.1 1027.1   0075 01.1   0623.3 00.7 0066.7   0060 00.7 DEQ
50206   0751.3 00.2 2428.2   0080 00.3   1399.5 02.0 0663.4   0160 02.2   0700.3 00.7 0091.3   0100 00.8 HTS
50218   1266.8 00.1 2202.7   0250 00.2   1312.7 01.0 0649.5   0100 01.0   0892.9 00.1 0094.2   0100 00.1 DEQ

50218   0685.3 00.1 2003.3   0050 00.2   1036.4 01.0 0733.4   0080 01.1   0646.3 00.2 0088.8   0050 00.2 HTS
50221   1352.5 00.6 1242.2   0070 00.6   1015.5 00.9 0329.3   0070 01.0   0571.2 00.7 0056.7   0060 00.8 DEQ
50221   0862.4 00.3 1158.0   0070 00.4   1477.6 01.6 0221.4   0110 01.5   0394.3 00.5 0051.5   0050 00.6 HTS
50253   0647.8 00.1 1760.0   0050 00.2   0779.6 00.3 0899.6   0080 00.4   0445.6 00.8 0071.7   0060 00.9 DEQ
50253   0602.2 00.1 1517.1   0050 00.2   1211.1 00.4 0876.5   0110 00.4   0311.5 00.5 0090.3   0045 00.5 HTS

50263   0742.8 00.2 2065.1   0030 00.2   1214.7 00.9 0804.5   0105 01.0   0715.2 00.5 0071.7   0080 00.6 DEQ
50263   0661.7 00.2 1762.2   0070 00.3   0947.9 00.8 0699.4   0095 00.9   0605.2 00.5 0080.6   0090 00.6 HTS
50264   0850.0 00.1 2392.8   0070 00.1   1046.1 00.6 0982.1   0090 00.7   0604.9 00.7 0066.7   0070 00.6 DEQ
50264   1186.6 00.1 2436.8   0110 00.2   1498.7 01.4 0988.1   0150 01.5   0638.9 00.7 0090.3   0080 00.8 HTS
50358   0749.0 00.1 1985.4   0020 00.1   1367.2 00.8 1017.3   0060 00.8   0461.4 00.9 0073.3   0010 00.9 HTS

50373   0690.9 00.2 2014.5   0010 00.2   0932.6 00.3 0878.9   0040 00.2   0562.4 00.5 0100.0   0010 00.5 HTS
50437   1131.5 00.3 1927.2   0080 00.4   0951.0 01.1 0573.2   0070 01.0   0608.3 00.7 0061.2   0060 00.8 HTS
50477   0294.5 00.0 1189.4   0010 00.0   0175.2 00.0 0306.0   0000 00.0   0117.1 00.0 0069.7   0000 00.0 HTS
50533   0455.3 00.7 2165.0   0020 00.7   0397.1 01.4 0699.4   0030 01.4   0482.8 00.8 0083.0   0040 00.8 HTS
54036   1089.0 00.1 1847.5   0070 00.1   0591.0 00.2 0747.0   0070 00.3   0574.3 00.8 0074.2   0050 00.8 DEQ

54036   0991.4 00.1 1756.1   0060 00.1   1507.6 00.9 0838.4   0110 00.7   0454.3 00.7 0054.6   0040 00.8 HTS
54037   0785.7 00.1 2502.8   0060 00.1   0810.2 00.3 1162.2   0060 00.3   0497.7 00.7 0064.2   0050 00.7 DEQ
54037   0868.3 00.2 2511.5   0150 00.8   1378.5 01.8 0600.3   0200 02.0   0445.2 00.8 0056.6   0150 01.0 HTS
60080   0537.5 00.1 2372.8   0040 00.1   0767.3 00.8 1054.6   0060 00.8   0522.2 00.6 0064.2   0050 00.7 DEQ
60080   0634.4 00.1 2430.3   0050 00.1   1405.5 01.3 1169.4   0110 01.4   0622.4 00.7 0049.7   0060 00.7 HTS

60081   0653.9 00.1 2502.8   0045 00.2   0905.2 00.4 1419.8   0070 00.5   0399.6 00.6 0076.7   0045 00.6 DEQ
60081   0610.2 00.2 2376.2   0150 00.1   1336.5 00.6 1579.7   0250 00.9   0562.2 00.4 0064.2   0200 00.7 HTS
60082   0145.3 00.8 1327.3   0030 01.0   0117.7 00.8 0264.3   0030 00.9   0151.4 00.5 0044.2   0030 00.6 DEQ
60082   0187.3 00.7 1259.5   0035 00.8   0106.2 00.6 0244.4   0030 00.7   0217.3 00.4 0047.3   0025 00.4 HTS
60402   0069.7 00.1 1153.1   0010 00.1   0026.9 00.1 0379.1   0010 00.0   0060.5 00.0 0066.1   0010 00.0 HTS

60407   0244.1 00.0 1143.4   0020 00.0   0140.1 00.0 0243.2   0010 00.0   0078.9 00.0 0063.6   0000 00.0 HTS
60425   1168.3 00.3 2436.8   0020 00.3   3065.8 02.0 1194.4   0120 01.8   4765.1 04.7 0279.6   0170 04.2 HTS
60487   0481.1 00.3 1771.9   0010 00.3   0496.4 01.1 0637.9   0040 01.1   0260.8 00.7 0060.1   0000 00.8 HTS
60492   0614.4 00.2 1764.6   0020 00.2   0418.6 00.9 0415.5   0000 00.8   0216.6 00.4 0049.1   0000 00.3 HTS
60548   0290.0 00.1 0774.6   0035 00.1   0103.4 00.3 0282.0   0020 00.3   0660.3 00.6 0056.4   0050 00.6 HTS

60599   0746.0 00.2 2436.8   0050 00.2   0960.2 00.9 1296.3   0060 00.9   0721.5 00.3 0083.0   0060 00.3 HTS
60672   0666.4 00.2 1670.0   0040 00.2   0345.1 00.7 0333.0   0020 00.8   0173.8 00.2 0036.9   0010 00.2 HTS
60676   0703.1 00.2 1776.6   0040 00.2   1309.0 01.8 0658.1   0100 01.8   0482.8 00.8 0058.8   0020 00.8 HTS
60725   1068.4 00.3 2397.4   0055 00.5   2438.9 02.6 2397.4   0140 03.0   4800.6 04.3 0567.8   0260 04.0 HTS
64002   0650.3 00.8 1898.5   0040 00.9   1841.7 02.2 0810.0   0140 02.0   0872.4 01.8 0045.3   0060 01.5 DEQ

64002   0392.5 00.9 1582.4   0040 00.4   1729.6 02.4 0542.8   0140 00.8   0796.0 01.7 0053.0   0070 00.6 HTS
64049   0788.8 00.2 1985.1   0055 00.2   0972.6 00.5 0942.1   0080 00.4   0408.8 00.7 0066.7   0040 00.7 DEQ
64049   0946.4 00.1 2025.5   0150 00.3   0982.4 00.5 0915.8   0200 00.8   0364.1 00.7 0066.7   0170 01.0 HTS
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APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=62 MODEL YR(S)=1977

MAKE=TOYOTA MODEL=CORONA

EPA NO	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		—IDLE (LAB)--			IDLE(GAR)		
	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
70062	0243.4	00.5	1304.8	0030	00.6	0096.3	00.4	0329.3	0025	00.5	0411.9	00.8	0071.7	0040	00.9	DEQ
70062	0217.3	00.4	1047.7	0040	00.4	0166.2	00.6	0616.9	0040	00.6	0385.3	00.5	0057.0	0050	00.6	HTS
70063	0301.6	00.5	1194.7	0030	00.5	0136.1	00.5	0281.8	0025	00.6	0347.5	00.4	0049.2	0040	00.5	DEQ
70063	0142.2	00.6	1120.7	0020	00.6	0070.2	00.4	0405.1	0030	00.4	0478.3	00.5	0057.0	0050	00.5	HTS
70076	0427.2	00.4	1019.6	0035	00.4	0185.1	00.3	0279.3	0025	00.4	0509.9	00.7	0061.7	0040	00.7	DEQ
70076	0169.1	00.3	0885.8	0170	00.5	0097.0	00.4	0542.6	0200	00.6	0433.2	00.7	0069.2	0210	00.9	HTS
70111	0283.2	00.8	1317.3	0040	00.8	0142.2	00.7	0309.3	0040	00.9	0099.4	00.3	0059.2	0030	00.4	DEQ
70111	0358.3	00.8	1472.9	0030	00.9	0394.3	01.3	0456.6	0040	01.4	0307.3	00.6	0072.5	0040	00.6	HTS
70114	0225.0	00.5	0902.1	0035	00.5	0123.9	00.7	0169.2	0030	00.8	0316.9	00.2	0051.7	0070	00.3	DEQ
70114	0220.1	00.6	0830.0	0150	00.9	0241.1	01.0	0335.1	0240	01.5	0895.3	00.7	0059.9	0350	01.2	HTS
70138	0203.5	00.3	1044.6	0030	00.3	0206.6	00.4	0426.8	0030	00.4	0408.8	00.3	0089.2	0050	00.3	DEQ
70138	0250.1	00.3	0929.0	0150	00.4	0172.1	00.4	0339.9	0190	00.6	0340.1	00.3	0093.7	0190	00.5	HTS
70198	0059.5	00.1	1047.1	0030	00.2	0145.3	00.2	0749.5	0030	00.2	0344.5	00.7	0071.7	0045	00.7	DEQ
70198	0067.0	00.3	0632.0	0040	00.1	0094.0	00.3	0438.9	0040	00.1	0217.1	00.7	0062.3	0050	00.8	HTS
70199	0130.0	00.6	0842.0	0035	00.6	0179.0	00.7	0311.8	0035	00.7	0414.9	00.7	0056.7	0045	00.8	DEQ
70199	0088.0	00.5	0815.5	0035	00.6	0043.0	00.6	0388.2	0040	00.6	0361.1	00.6	0059.9	0055	00.7	HTS
70203	0108.5	00.3	0902.1	0025	00.4	0056.5	00.4	0201.7	0025	00.4	0099.4	00.1	0049.2	0020	00.1	DEQ
70203	0088.2	00.3	0646.3	0040	00.2	0079.2	00.4	0208.7	0030	00.4	0058.2	00.1	0048.2	0030	00.1	HTS
70204	0188.2	00.4	0837.0	0030	00.4	0133.1	00.4	0234.2	0030	00.4	0356.7	00.7	0051.7	0025	00.6	DEQ
70204	0268.3	00.4	0743.5	0040	00.4	0211.3	00.4	0179.5	0035	00.4	0502.3	00.8	0060.4	0050	00.9	HTS
70255	0396.6	00.3	0506.9	0050	00.3	0240.3	00.0	0096.7	0040	00.1	0335.3	00.6	0071.7	0040	00.4	DEQ
70255	0103.0	00.3	0695.2	0020	00.1	0031.0	00.3	0170.0	0020	00.1	0415.2	00.1	0084.0	0050	00.1	HTS
70256	0071.8	00.2	0511.9	0030	00.3	0062.6	00.1	0111.7	0030	00.1	0074.8	00.1	0051.7	0030	00.1	DEQ
70256	0235.1	00.3	0721.5	0050	00.1	0100.0	00.2	0246.4	0050	00.1	0172.1	00.5	0062.5	0050	00.6	HTS
70265	1796.8	00.4	0824.5	0100	00.4	0853.1	00.4	0169.2	0060	00.4	0804.1	00.6	0054.2	0055	00.7	DEQ
70265	0247.2	00.5	0658.1	0030	00.6	0112.6	00.4	0136.4	0030	00.4	0293.1	00.5	0046.6	0040	00.5	HTS
70303	0130.0	00.3	0624.4	0020	00.4	0090.2	00.2	0174.2	0020	00.3	0283.2	00.7	0056.7	0030	00.8	DEQ
70303	0037.5	00.3	0549.6	0050	00.1	0019.2	00.1	0160.4	0050	00.1	0034.5	00.2	0043.4	0050	00.1	HTS
70310	0059.5	00.3	0554.4	0030	00.4	0378.2	00.2	0159.2	0050	00.3	0270.9	00.5	0049.2	0040	00.5	DEQ
70310	0127.9	00.3	0527.1	0030	00.4	0130.9	00.2	0138.9	0040	00.3	0182.9	00.3	0058.8	0040	00.3	HTS
70332	0462.7	00.8	1010.3	0040	00.8	1193.8	00.7	0241.6	0080	00.7	1016.4	00.8	0064.9	0080	00.9	HTS
70336	0156.8	00.4	0895.7	0020	00.5	0089.5	00.3	0184.3	0010	00.3	0315.9	00.7	0062.5	0020	00.7	HTS
70338	0364.9	00.6	1717.0	0020	00.6	0328.1	00.9	0449.3	0025	00.8	0481.1	00.6	0064.9	0040	00.6	HTS
70347	0075.8	00.4	0942.0	0010	00.4	0048.3	00.2	0138.9	0010	00.3	0192.1	00.2	0063.6	0020	00.2	HTS
70405	0138.5	00.5	1005.6	0000	00.5	0098.7	00.4	0272.6	0000	00.4	0404.6	00.8	0072.1	0030	00.8	HTS
70430	0444.4	00.5	0843.2	0050	00.6	0248.6	00.5	0239.2	0040	00.6	0343.4	00.7	0062.5	0040	00.7	HTS
70431	0450.5	00.4	0618.8	0060	00.4	0579.0	00.4	0239.2	0060	00.4	0542.3	00.8	0072.1	0060	00.8	HTS
70436	0276.1	00.4	0974.5	0030	00.4	0575.9	00.4	0363.3	0060	00.4	0640.2	00.3	0088.8	0050	00.3	HTS
70451	0170.7	00.4	1048.8	0010	00.3	0085.0	00.4	0267.5	0000	00.2	0345.1	00.6	0085.5	0000	00.1	HTS
70516	0189.1	00.5	1276.9	0010	00.5	0697.0	00.6	0677.5	0050	00.6	0452.2	00.6	0075.8	0050	00.6	HTS
70538	0107.9	00.4	0793.1	0000	00.5	0325.1	00.3	0193.8	0020	00.4	0762.5	00.6	0062.5	0040	00.6	HTS
70539	0283.9	00.4	0939.6	0010	00.4	0143.2	00.3	0284.4	0000	00.5	0140.1	00.4	0061.2	0000	00.4	HTS
70545	0248.6	00.3	0659.4	0010	00.3	0294.5	00.3	0203.4	0020	00.3	0568.2	00.7	0060.1	0040	00.7	HTS
70551	0042.2	00.2	0556.2	0010	00.2	0072.8	00.4	0284.4	0010	00.4	0124.8	00.4	0058.8	0010	00.4	HTS
70559	0195.2	00.5	1060.3	0010	00.5	0072.8	00.5	0218.9	0000	00.5	0115.6	00.3	0058.8	0000	00.4	HTS
70573	0391.0	00.3	0947.5	0040	00.4	0207.4	00.3	0216.5	0040	00.4	0342.1	00.6	0063.6	0050	00.6	HTS
70592	0213.5	00.5	1007.5	0030	00.5	0189.1	00.3	0398.5	0020	00.3	0192.1	00.4	0051.5	0020	00.4	HTS
70636	0176.8	00.4	0595.0	0020	00.4	0048.3	00.2	0138.9	0010	00.3	0161.5	00.4	0056.4	0020	00.4	HTS
70641	0026.9	00.1	0488.3	0000	00.1	0033.0	00.2	0090.3	0000	00.2	0036.1	00.0	0058.8	0000	00.1	HTS
70644	0236.4	00.3	0623.6	0030	00.4	0138.5	00.4	0186.7	0020	00.4	0603.5	00.2	0076.8	0050	00.2	HTS

APPENDIX D - FEDERAL THREE-MODE TEST RESULTS

CELL NO=63   MODEL YR(S)=1975,1976

MAKE=CADILLAC   MODEL=CALAIS DEVILLE

	---HI (LAB)---			HI (GAR)		---LO (LAB)---			LO (GAR)		--IDLE (LAB)--			IDLE(GAR)		
EPA NO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	HC	CO	NOX	HC	CO	LAB
50006	0146.4	00.0	0526.9	0025	00.0	0128.0	00.0	0739.5	0025	00.0	0140.3	00.0	0101.7	0025	00.0	DEQ
50006	0397.3	00.7	0422.1	0050	00.7	0586.3	00.6	0548.7	0070	00.7	0904.4	00.7	0125.2	0100	00.8	HTS
50091	1383.2	02.0	0692.0	0090	02.1	1640.6	02.1	0812.0	0120	02.2	0369.0	00.0	0394.3	0035	00.1	DEQ
50091	1600.6	02.5	0682.7	0200	02.3	1804.7	02.7	0830.0	0250	02.8	0448.2	00.0	0132.3	0180	00.1	HTS
50129	1369.3	01.1	0451.8	0090	01.2	1732.5	01.6	0692.0	0130	01.6	0635.6	00.1	0091.7	0040	00.1	DEQ
50129	1537.6	01.5	0399.8	0230	01.9	1783.7	01.8	0490.0	0310	02.4	1072.4	00.8	0094.2	0310	01.1	HTS
50200	1472.0	01.7	0426.8	0110	01.8	0828.6	01.6	0204.2	0085	01.6	0209.7	00.0	0339.3	0045	00.1	DEQ
50200	1456.6	01.3	0403.2	0100	01.3	0652.4	01.4	0177.1	0085	01.5	0172.3	00.0	0245.1	0040	00.1	HTS
50212	1364.8	01.8	0496.9	0095	01.5	1432.2	01.5	0366.8	0105	01.3	0715.2	00.2	0546.9	0055	00.3	DEQ
50212	0361.1	00.5	0559.6	0060	00.6	0709.3	01.0	0417.2	0090	01.1	0121.1	00.0	1052.1	0040	00.0	HTS
50270	1291.3	02.0	0411.8	0100	02.1	1628.3	01.6	0394.3	0140	01.7	1894.9	00.7	0249.3	0170	00.8	DEQ
50270	1406.9	01.9	0481.0	0100	01.7	1679.3	01.1	0442.2	0130	01.1	1563.0	00.4	0286.9	0135	00.4	HTS
50287	1306.6	03.1	0151.7	0070	02.9	0525.3	01.9	0111.7	0050	02.2	0133.1	00.0	0126.7	0025	00.1	DEQ
50287	1267.3	03.0	0179.5	0100	03.1	1187.7	02.8	0172.3	0110	02.8	0175.2	00.0	0143.7	0040	00.0	HTS
50339	0259.4	00.0	0408.2	0020	00.1	0354.3	00.4	0362.1	0030	00.3	0152.3	00.0	0119.4	0010	00.1	HTS
50345	2025.9	03.0	0313.2	0100	03.0	2261.4	03.2	0255.9	0120	03.2	0707.5	00.0	0220.1	0030	00.1	HTS
50350	1612.9	02.0	0179.5	0060	02.2	1995.3	02.3	0208.2	0100	02.3	1900.5	01.4	0155.6	0100	01.6	HTS
50409	0342.1	00.1	1077.9	0010	00.2	1437.5	01.4	1417.6	0080	01.4	0623.6	00.0	0175.3	0050	00.0	HTS
50410	1368.2	00.6	1091.5	0080	00.7	1521.2	00.8	1284.9	0100	00.8	2041.2	01.3	0976.9	0130	01.2	HTS
50411	0288.4	00.3	0239.2	0020	00.2	0618.7	00.8	0454.1	0060	01.0	3319.1	02.7	0119.8	0240	02.6	HTS
50478	1842.4	02.3	0919.6	0100	02.5	2126.8	01.5	0838.4	0140	01.6	3720.3	04.1	0143.7	0240	04.0	HTS
50488	1891.3	03.9	0279.8	0100	04.2	2429.9	03.9	0454.1	0150	03.9	3590.3	02.9	0124.6	0220	02.8	HTS
50492	2285.9	04.8	0542.4	0110	04.8	2454.2	03.9	0396.8	0150	04.1	2888.5	02.9	0241.6	0200	03.0	HTS
50506	0975.5	01.5	0248.1	0060	01.6	1927.1	02.9	0165.5	0110	03.0	0274.7	00.0	0114.6	0040	00.1	HTS
50510	1391.6	02.1	1027.0	0050	02.1	1706.8	02.2	1279.3	0120	02.1	2608.4	01.7	0284.4	0160	01.6	HTS
56026	0534.4	00.9	0386.8	0045	01.1	0408.8	00.7	0181.7	0040	00.8	3712.2	01.9	0091.7	0290	01.8	DEQ
56026	0943.4	00.8	0417.4	0140	01.0	1870.7	01.5	0402.3	0280	02.0	4238.6	03.0	0091.7	0540	03.2	HTS
56027	1723.3	03.2	0451.8	0105	02.8	2446.4	03.4	0414.3	0165	02.8	3502.2	02.5	0146.7	0245	02.1	DEQ
56027	1699.7	02.6	0347.2	0140	00.1	2409.5	03.6	0299.6	0160	01.1	3888.8	02.9	0091.7	0360	00.1	HTS
56040	2312.7	03.0	0488.3	0120	03.0	2926.7	03.0	0366.9	0180	03.2	6958.1	06.6	0056.4	0460	07.0	HTS
60012	0172.9	00.0	0256.8	0025	00.0	0136.1	00.0	0281.8	0025	00.0	0114.7	00.0	0361.8	0025	00.0	DEQ
60012	0052.2	00.0	0419.7	0020	00.1	0061.2	00.0	0237.1	0020	00.1	0058.2	00.0	0373.4	0025	00.1	HTS
60084	0117.7	00.0	0396.8	0025	00.1	0188.2	00.0	0224.2	0040	00.1	0706.0	00.9	0151.7	0075	00.8	DEQ
60084	0121.1	00.0	0397.3	0025	00.0	0337.1	00.2	0141.8	0050	00.0	0949.4	00.9	0146.8	0050	00.0	HTS
60172	0240.3	00.1	1655.0	0035	00.1	0209.7	00.1	0922.1	0045	00.2	2564.3	01.7	0176.7	0220	01.6	DEQ
60172	0094.0	00.0	1907.8	0100	00.1	0604.2	00.7	1406.8	0170	01.0	3219.1	01.9	0169.4	0350	02.2	HTS
60181	0166.8	00.0	0824.5	0040	00.0	0206.6	00.0	0649.4	0040	00.0	0571.2	00.4	0324.3	0070	00.5	DEQ
60181	0808.3	00.3	0602.7	0200	00.5	1117.4	00.6	0352.2	0280	01.0	0379.2	00.1	0164.4	0250	00.2	HTS
60253	0525.3	00.2	0426.8	0050	00.2	0151.4	00.0	0464.6	0040	00.1	0139.2	00.0	0511.9	0035	00.1	DEQ
60253	0916.4	00.5	0407.5	0055	00.6	0343.1	00.2	0508.9	0070	00.4	0184.1	00.0	0132.3	0050	00.0	HTS
60283	1214.7	00.6	0346.8	0080	00.5	1858.1	01.5	0184.2	0100	01.0	3022.4	01.3	0156.7	0230	01.5	DEQ
60283	1276.5	00.7	0279.8	0120	01.0	2020.8	01.1	0160.4	0190	01.9	3768.9	01.2	0093.6	0320	01.5	HTS
60332	0154.5	00.0	0734.5	0030	00.1	0378.2	00.2	0311.8	0050	00.2	0442.5	00.2	0089.2	0055	00.3	DEQ
60332	0291.4	00.0	0657.0	0030	00.0	0539.2	00.4	0425.4	0060	00.5	0854.3	00.5	0129.4	0100	00.7	HTS
60392	0236.4	00.0	0501.8	0030	00.0	0447.4	00.4	0251.1	0050	00.4	0199.7	00.0	0549.6	0020	00.0	HTS
60469	1196.9	00.7	0520.9	0050	00.8	1824.0	02.2	0255.9	0120	02.2	0334.3	00.0	0241.6	0000	00.0	HTS
60523	0270.0	00.0	0907.7	0020	00.0	0343.4	00.0	0649.8	0020	00.0	2909.9	03.6	0165.2	0200	03.8	HTS
60621	0144.6	00.0	0286.9	0030	00.1	0511.7	00.6	0170.0	0050	00.7	0065.1	00.0	0129.4	0020	00.0	HTS
60730	0315.9	00.0	0645.1	0030	00.0	0218.0	00.0	0279.8	0025	00.0	0159.9	00.0	0327.5	0025	00.0	HTS
64052	1469.0	01.5	0549.4	0090	01.3	1775.4	01.6	0436.8	0140	01.5	0647.8	00.1	0171.7	0070	00.1	DEQ
64052	0139.2	00.0	0789.7	0040	00.0	0967.4	00.5	0514.6	0090	00.6	0223.3	00.0	0273.6	0040	00.0	HTS
66046	1887.4	02.2	0563.5	0110	02.2	2826.7	04.2	0136.4	0190	04.4	6347.9	07.2	0041.8	0470	07.6	HTS

APPENDIX E - COMPOSITE OF TEST RESULTS

Legend

FTP - Federal Test Procedure

FSC - Federal Short Cycle Test

F3M - Federal Three-Mode Test

Idle - Idle Test

HTS - Hamilton Test Systems

DEQ - DEQ Station

D-L - DEQ test using laboratory instruments

H-L - HTS test using laboratory instruments

D-G - DEQ test using "garage" EPA-75 analyzer

H-G - HTS test using "garage" analyzer

PASS - Vehicles which Passed DEQ Idle Test

FAIL - Vehicles which Failed DEQ Idle Test

HC - Hydrocarbons (FTP & FCS - grams per mile; F3M D-L & H-L - ppm carbon; F3M D-G, F3M H-G, & Idle Test - ppm hexane)

CO - Carbon Monoxide (FTP & FCS - grams per mile; F3M and Idle Test - percent)

NOX - Oxides of Nitrogen (FTP & FCS - grams per mile; F3M and Idle Test - ppm)

NOXC - Oxides of Nitrogen in grams per mile corrected for humidity

MPG - Miles per Gallon

MEETS STD - the quantity and percentage of vehicles which meet the Federal Standards

MEAN ODOM - Average value of the odometer readings

SD - Standard Deviation

APPENDIX E - COMPOSITE OF TEST RESULTS

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CELL NO=01    MODEL YR(S)=1975,1976

   MAKE=AMC                      MODEL=GREMLIN HORNET PACER

                          ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                      QTY MEAN     SD MEAN    SD MEAN      SD MEAN  SD MEAN   SD MEAN  SD QTY PERCT  ODOM

FTP  HTS 75 PASS  7   1.48    .62 17.40 11.57 479.1  48.4 3.16  .91 2.90  .91 17.4  1.1   2  28.5 34127
         76 PASS 10   1.46    .51 18.88 10.34 472.4  31.7 3.61 1.07 3.24  .90 17.5   .9   0    .0 25952
         77 PASS
         75 FAIL 14   2.25    .62 46.86 18.33 454.2  47.7 2.64 1.08 2.44  .94 16.6  1.2   0    .0 37942
         76 FAIL  6   1.97    .73 37.64 22.38 464.1  14.4 3.40  .93 3.13  .77 16.8  1.1   1  16.6 27550
         77 FAIL

     ALL PASS 17      1.47    .54 18.27 10.53 475.2  38.1 3.43 1.01 3.10  .89 17.4   .9   2  11.7 29318
     ALL FAIL 20      2.16    .65 44.09 19.51 457.2  40.4 2.87 1.07 2.64  .93 16.7  1.1   1   5.0 34825

         75  ALL 21   1.99    .71 37.04 21.47 462.5  48.2 2.81 1.03 2.59  .94 16.9  1.2   2   9.5 36671
         76  ALL 16   1.65    .63 25.91 17.86 469.3  26.2 3.53 1.00 3.20  .83 17.2  1.0   1   6.2 26551
         77  ALL

           TOTAL 37   1.65    .69 32.23 20.50 465.4  39.9 3.12 1.07 2.85  .93 17.0  1.1   3   8.1 32295

FSC  DEQ 75  ALL 11   1.67    .75 33.17 29.65 377.7  41.5 2.33 1.11            20.4  1.6
         76  ALL  9   1.19    .51 15.61 17.87 404.8  44.7 3.33 1.30            20.6  2.3
         77  ALL

           TOTAL 20   1.46    .68 25.27 26.03 389.9  44.0 2.78 1.27            20.5  1.9

FSC  HTS 75  ALL 21   1.80    .60 33.25 20.61 363.3  36.2 2.29  .95            21.1  1.4
         76  ALL 16   1.34    .46 18.24 13.40 376.3  29.4 2.62  .84            21.7  1.4
         77  ALL

           TOTAL 37   1.60    .59 26.76 19.17 368.9  33.6 2.44  .91            21.4  1.4

                     -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 11   954  481  .5  .6  949  606 1733  821 1.6 1.9 1095  598 2427 1626 3.3 3.6  161 109
         76  ALL  9   459  305  .1  .1 1474  595 1111  521  .5  .7 1081  465 1317  807 1.5 1.4  139 113
         77  ALL

           TOTAL 20   731  474  .3  .5 1185  644 1453  755 1.1 1.6 1069  528 1927 1409 2.5 2.9  151 109

F3M  H-L 75  ALL 21   980  595  .4  .4  955  630 1844  806 1.1 1.1 1056  540 2693 1509 3.4 3.1  157 113
         76  ALL 16   751  630  .3  .3 1466  595 1705  706  .8  .8 1057  420 1790  915 1.3 1.6  181  99
         77  ALL

           TOTAL 37   881  613  .3  .3 1176  659 1784  757  .9 1.0 1056  485 2302 1349 2.5 2.7  167 106

F3M  D-G 75  ALL 11    61   27  .5  .6            118   52 1.6 1.8            168   90 3.3 3.5
         76  ALL  9    35   12  .1  .1             73   35  .5  .6             95   45 1.3 1.2
         77  ALL

           TOTAL 20    49   25  .3  .5             98   49 1.1 1.5            135   81 2.4 2.9

F3M  H-G 75  ALL 21    73   60  .4  .4            136   78 1.1 1.1            187   93 3.4 3.1
         76  ALL 16    45   27  .3  .4            113   44  .8  .8            128   50 1.4 1.6
         77  ALL

           TOTAL 37    61   50  .4  .4            126   66 1.0 1.0            161   82 2.5 2.7

                     -----------HC------------ ---------CO----------- -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 21   178 247  183 267  235 263 3.1 2.8 1.0 1.1 3.0 2.8  725 117  732 117
         76  ALL 16   107 138   71  43  136 101 1.4 1.6  .8 1.0 1.1 1.5  780 133  792 133
         77  ALL

           TOTAL 37   147 208  135 209  192 213 2.3 2.5  .9 1.0 2.2 2.5  746 124  755 125

IDLE HTS 75  ALL 21   226 405   65  53  208 235 2.4 2.6  .6  .7 3.1 2.9  705 117  704 119 111  31 387 162 110  34
         76  ALL 16   112  64   47  28  136 182 1.2 1.3  .4  .6 1.1 1.3  710 110  740 112  96  37 368 115 112  39
         77  ALL

           TOTAL 37   177 310   57  44  177 214 1.9 2.2  .5  .7 2.2 2.5  707 113  719 116 104  34 378 140 111  35
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=03    MODEL YR(S)=1975,1976,1977

   MAKE=AUDI VW               MODEL=FOX DASHER

                        ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG--- MEETS STD  MEAN
                   QTY  MEAN    SD  MEAN    SD  MEAN     SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS  2    1.30   .84 11.81  7.34 340.2    2.6 2.81 1.36 2.64 1.42 24.4    .7   1  50.0 39580
         76 PASS  4    1.21   .42  8.49  2.87 342.3   15.8 2.43  .50 2.09  .52 24.7   1.1   2  50.0 32233
         77 PASS  7    1.96   .39 13.88  4.24 350.5   20.1 2.36  .61 2.13  .44 23.4   1.3   0    .0 17105
         75 FAIL 13    2.44  2.93 14.35  8.94 364.0   31.1 2.68  .77 2.47  .73 22.6   1.5   5  38.4 40143
         76 FAIL  8    1.49   .46 13.45  7.80 351.0   28.5 2.96  .59 2.81  .68 23.5   1.0   1  12.5 34009
         77 FAIL  4    1.54   .08 12.93  3.38 341.3   26.3 2.75  .95 2.47  .80 24.2   1.8   0    .0 16157

        ALL PASS 13    1.63   .57 11.90  4.66 346.4   16.9 2.45  .66 2.19  .61 24.0   1.2   3  23.0 25218
        ALL FAIL 25    1.99  2.14 13.83  7.71 356.2   29.8 2.78  .73 2.58  .72 23.1   1.5   6  24.0 34342

         75  ALL 15    2.29  2.75 14.01  8.55 360.9   30.0 2.69  .80 2.49  .78 22.8   1.6   6  40.0 40068
         76  ALL 12    1.39   .45 11.80  6.84 348.1   24.6 2.79  .60 2.57  .70 23.9   1.1   3  25.0 33417
         77  ALL 11    1.81   .37 13.54  3.80 347.1   21.7 2.50  .73 2.25  .58 23.7   1.4   0    .0 16760

           TOTAL 38    1.87  1.76 13.17  6.81 352.8   26.3 2.67  .71 2.45  .70 23.4   1.4   9  23.6 31221

     DEQ 75  ALL  5    1.46   .37 17.46  7.96 292.1   37.3 2.17  .57                27.4   2.0
         76  ALL  8    1.47   .68 13.55  7.34 289.4   15.4 2.78  .43                28.1    .8
         77  ALL  9    1.70   .13 18.82  6.64 289.9   10.9 1.87  .64                27.3    .9

           TOTAL 22    1.56   .45 16.59  7.26 290.2   19.8 2.27  .67                27.6   1.2

      TS 75  ALL 15    1.83  2.75 13.21  9.02 296.1   33.5 2.12  .98                27.6   2.1
         76  ALL 12    1.18   .35 11.78  7.00 284.9   22.4 2.13  .46                28.9   1.7
         77  ALL 11    1.49   .27 15.50  3.98 278.3   21.8 1.55  .57                29.0   2.3

           TOTAL 38    1.52  1.73 13.42  7.20 287.4   27.5 1.96  .76                28.4   2.1

                       -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                       ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                   QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL  5   2168  568  .8  .6 1876  490 2272  745  .8  .6  848  335 2273  903 2.7 1.5   75  20
         76  ALL  6   2467 1067  .6  .3 2419  160 2606 1347  .6  .5 1328  300 2597  789 2.7 1.5   91  27
         77  ALL  9   2526  306 1.3  .5 2271  491 2660  201 1.1  .5  967  312 2739  697 2.3 1.0   93   9

           TOTAL 22   2424  706  .9  .5 2235  436 2552  866  .8  .5 1071  361 2582  762 2.5 1.3   88  20

F3M  H-L 75  ALL 15   2055 1407  .7  .8 1875  658 2432 2349  .7  .6 1005  456 2912 2197 2.2 1.3   93  30
         76  ALL 12   2046  934  .5  .3 1996  630 2239 1118  .5  .4  999  396 2300  888 2.1 1.1  112  51
         77  ALL 11   2705  500 1.3  .3 2098  564 2752  634 1.2  .4  743  258 2763  602 2.3  .6  106  26

           TOTAL 38   2241 1080  .8  .6 1978  614 2464 1615  .8  .5  927  397 2676 1493 2.2 1.1  103  37

F3M  D-G 75  ALL  5    123   28  .8  .7             147   49  .8  .6             124   37 2.5 1.4
         76  ALL  6    126   32  .6  .2             146   46  .6  .5             135   35 2.6 1.5
         77  ALL  9    143   25 1.2  .4             166   27 1.1  .4             148   42 2.5  .5

           TOTAL 22    132   29  .9  .5             154   39  .8  .5             138   38 2.5 1.1

F3M  H-G 75  ALL 15    122   85  .8  .8             212  305  .8  .7             265  481 2.3 1.2
         76  ALL 12    123   38  .7  .4             156   55  .7  .5             145   51 2.4 1.3
         77  ALL 11    199   95 1.3  .4             221  105 1.3  .5             203  101 2.0  .9

           TOTAL 38    145   82  .9  .6             198  200  .9  .6             209  307 2.2 1.1

                       -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                   QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                       MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 15    289 499  211 496  303 495 2.6 1.8  .7  .7 2.6 1.8 1073 229 1076 235
         76  ALL 12     95  33   65  23  127  58 2.6 1.6  .6  .6 2.4 1.5 1236 492 1250 496
         77  ALL 11    122  54   77  24  137  58 2.5 1.0  .7  .4 2.5 1.1  995  98 1004 112

           TOTAL 38    180 321  126 313  200 319 2.6 1.5  .7  .6 2.5 1.5 1098 316 1106 321

IDLE HTS 75  ALL 15    344 662  120 253  336 609 1.6 1.0  .4  .4 1.8 1.1 1052 200 1068 203  75  35 142  34  77  31
         76  ALL 12     65  42   49  26   95  48 1.9 1.3  .4  .4 2.1 1.4 1110 353 1150 404 105  22 162  24 114  18
         77  ALL 11    113  36   60  50  120  62 1.7  .8  .4  .2 2.1  .9  946  90  924  99 114  38 198  32 120  40

           TOTAL 38    196 426   80 162  198 394 1.7 1.0  .4  .3 2.0 1.1 1040 242 1052 273  98  36 169  38 104  36
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=04     MODEL YR(S)=1975,1976,1977

   MAKE=HONDA                   MODEL=CIVIC

                             ----HC----  ----CO----  ---CO2----  ---NOX---  —NOXC---  ---MPG---  MEETS STD   MEAN
                        QTY  MEAN    SD   MEAN    SD   MEAN   SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT   ODOM

FTP  HTS 75 PASS 20     1.37    .42 17.40   4.72 332.7   21.2 2.08   .49 1.88    .46 24.4   1.4   4  20.0 35191
         76 PASS 13     1.42    .52 15.13   4.71 334.6   35.6 2.22   .80 2.02    .65 24.6   2.2   2  15.3 25565
         77 PASS  8     1.06    .42 13.89   2.73 337.0   14.6 2.15   .18 1.94    .13 24.5    .9   5  62.5 12886
         75 FAIL  2     1.35    .74 18.31   3.99 332.2   10.8 2.33   .61 2.10    .45 24.3    .1   0    .0 25706
         76 FAIL  1     1.01    .00 13.25    .00 339.2     .0 2.62   .00 2.46    .00 24.4    .0   1 100.0 12676
         77 FAIL

        ALL PASS 41     1.32    .46 16.00   4.55 334.1   25.2 2.14   .56 1.94    .48 24.5   1.6  11  26.8 27786
        ALL FAIL  3     1.23    .56 16.62   4.06 334.5    8.6 2.43   .46 2.22    .38 24.3    .1   1  33.3 21363

         75  ALL 22     1.36    .43 17.48   4.58 332.7   20.3 2.10   .49 1.90    .45 24.4   1.3   4  18.1 34328
         76  ALL 14     1.39    .51 15.00   4.56 334.9   34.2 2.25   .77 2.05    .64 24.6   2.1   3  21.4 24644
         77  ALL  8     1.06    .42 13.89   2.73 337.0   14.6 2.15   .18 1.94    .13 24.5    .9   5  62.5 12886

           TOTAL 44     1.32    .46 16.04   4.47 334.2   24.3 2.16   .56 1.95    .48 24.4   1.5  12  27.2 27348

FSC  DEQ 75  ALL 22      .91    .23 11.19   3.21 292.6   17.9 1.78   .34                   28.3   1.4
         76  ALL 12     1.01    .20 14.27   5.33 288.6   31.9 1.71   .59                   28.4   2.3
         77  ALL  8      .64    .13 12.14   3.24 294.3   16.9 1.56   .58                   28.1   1.5

           TOTAL 32      .88    .24 12.58   4.25 291.5   23.3 1.70   .50                   28.3   1.8

FSC  HTS 75  ALL 22      .93    .29 14.62   3.91 276.7   21.5 1.27   .32                   29.4   1.9
         76  ALL 14     1.06    .24 13.34   2.89 273.6   16.8 1.43   .44                   29.8   1.4
         77  ALL  8      .68    .27 13.55   2.37 279.9   12.0 1.20   .23                   29.2   1.3

           TOTAL 44      .93    .29 14.02   3.36 276.3   18.4 1.31   .36                   29.5   1.7


                        -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                        ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                    QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 12      858  201   .3  .1 2326  167  690  446   .6  .1  550  152 1006  466   .8  .6   83  17
         76  ALL 12     1023  174   .3  .2 2335  333  859  351   .7  .3  520  169 1404  748  1.0 1.0   85  16
         77  ALL  8      608  187   .3  .2 1523  499  596  207   .6  .1  491  206  628  219   .2  .2   85  16

           TOTAL 32      857  244   .3  .2 2129  481  729  368   .6  .2  524  168 1061  618   .7  .8   84  16

F3M  H-L 75  ALL 22      753  315   .5  .2 1937  507  901  612  1.0  .5  438  229 1112  494   .8  .6   91  40
         76  ALL 14      910  253   .4  .2 2099  566 1115  625  1.0  .5  492  196 1289  564   .5  .5   89  19
         77  ALL  8      522  170   .5  .1 1483  410  856  553  1.1  .4  401  139  651  318   .2  .1   81   8

           TOTAL 44      761  301   .5  .2 1906  544  961  602  1.0  .4  448  204 1084  530   .6  .5   89  30

F3M  D-G 75  ALL 12       59   15   .3  .1             58   26   .6  .1              84   38   .9  .6
         76  ALL 12       71   14   .4  .2             70   19   .7  .3             116   70  1.0  .9
         77  ALL  8       46   12   .4  .2             55   12   .7  .1              57   18   .3  .2

           TOTAL 32       60   17   .4  .2             62   21   .7  .2              89   54   .8  .7

F3M  H-G 75  ALL 22       84   55   .6  .3            112   79  1.1  .5             132   89   .9  .6
         76  ALL 14       64   41   .4  .2            104   57   .9  .5             131   66   .6  .6
         77  ALL  8       66   53   .6  .1            130   80  1.3  .4             122   84   .3  .1

           TOTAL 44       84   49   .5  .2            113   72  1.1  .5             130   79   .7  .6


                        ------------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                    QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                        MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 22       79  36   45  13  103  46   .9  .7   .5  .3   .7  .5 1037 249 1062 296
         76  ALL 14      123 116   93 148  115  50   .4  .3   .4  .2   .4  .4 1032 441 1028 438
         77  ALL  8       48  11   40  24   66  24   .1  .1   .3  .1   .1  .1 1021 162 1014 159

           TOTAL 44       88  74   59  86  100  47   .6  .6   .4  .2   .5  .5 1033 308 1043 327

IDLE HTS 75  ALL 22      108  38   39  14   94  42   .7  .5   .5  .2   .6  .4  953  95 1051 271   68  17   94  14   68  15
         76  ALL 14      110  48   45  22  108  48   .3  .2   .4  .3   .4  .2  953 339  962 376   71  28  101  24   72  22
         77  ALL  8       68  18   26   5   51  12   .2  .1   .3  .1   .1  .1  993 119 1045  83   57  21   80  23   55  14

           TOTAL 44      101  41   38  17   91  45   .5  .4   .4  .2   .4  .4  960 204 1022 285   66  21   92  20   66  17
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=05    MODEL YR(S)=1975,1976,1977

   MAKE=HONDA                    MODEL=CIVIC CVCC

                          ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD  MEAN
                      QTY MEAN    SD  MEAN    SD  MEAN    SD  MEAN   SD  MEAN   SD  MEAN   SD  QTY PERCT  ODOM

FTP  HTS 75 PASS 16   1.03   .38   7.20  2.22 353.1  20.4 1.91  .48 1.78  .35 24.2  1.4  15  93.7 38921
         76 PASS 12    .82   .16   5.50   .96 336.9  24.8 2.07  .89 1.86  .79 25.5  1.6  11  91.6 27917
         77 PASS  5   1.36   .66   6.64  1.92 280.4  11.3 1.74  .36 1.49  .33 30.0  1.2   4  80.0 21030
         75 FAIL  3   1.78   .43  11.35  5.07 327.5  22.7 2.43  .60 2.31  .56 25.3  1.7   1  33.3 34633
         76 FAIL  4   4.10  5.52  10.16  5.82 320.7  15.2 1.68  .57 1.54  .72 25.6  2.8   1  25.0 53884
         77 FAIL

        ALL PASS 33   1.00   .40   6.50  1.93 336.2  32.4 1.94  .64 1.77  .55 25.5  2.4  30  90.9 32209
        ALL FAIL  7   3.10  4.10  10.67  7.56 323.6  17.3 2.00  .66 1.87  .73 25.4  2.2   2  28.5 45633

         75  ALL 19   1.14   .47   7.86  3.06 349.1  22.3 1.99  .52 1.86  .42 24.3  1.5  16  84.2 38244
         76  ALL 16   1.64  2.87   6.66  4.93 332.9  23.4 1.97  .82 1.78  .76 25.5  1.8  12  75.0 34409
         77  ALL  5   1.36   .66   6.64  1.92 280.4  11.3 1.74  .36 1.49  .33 30.0  1.2   4  80.0 21030

           TOTAL 40   1.37  1.83   7.23  3.80 334.0  30.5 1.95  .63 1.78  .58 25.5  2.4  32  80.0 34558

FSC  DEW 75  ALL 10    .72   .49   7.15  5.93 287.6  22.5 1.45  .47            29.5  1.9
         76  ALL  6   2.32  4.84   3.30   .29 275.4  12.4 1.49  .54            30.9  2.0
         77  ALL  2    .90   .24   3.17   .14 239.1   2.2 1.70  .38            35.9   .4

           TOTAL 20   1.38  3.06   5.21  4.54 277.9  22.6 1.49  .47            30.7  2.6

FSC  HTS 75  ALL 19    .62   .47   7.13  6.43 281.5  21.9 1.50  .40            30.2  1.9
         76  ALL 16    .52   .27   3.43  1.38 264.6  15.6 1.91 1.11            32.7  1.9
         77  ALL  5    .63   .22   3.18   .57 233.6   5.7 1.70  .48            36.8  1.0

           TOTAL 40    .58   .37   5.16  4.84 266.7  23.7 1.69  .78            32.0  2.6


                      -----------HIGH-----------  -----------LOW------------  -----------IDLE-----------
                      ---HC----  ---CO--  ---NOX---  ----HC---  ---CO--  ---NOX---  ----HC---  ---CO--  ---NOX--
                  QTY MEAN   SD  MEAN SD  MEAN   SD  MEAN   SD  MEAN SD  MEAN   SD  MEAN   SD  MEAN SD  MEAN  SD

F3M  D-L 75  ALL 10   269   331   .1  .0  1164  506   370  327   .1  .0   666  177  1457 1507   .9 1.8   108  19
         76  ALL  6   410   371   .1  .0  1191  502   369  220   .1  .0   663  357  1761 1594   .3  .2   118  21
         77  ALL  2    71    39   .1  .0  1108   51   166   30   .2  .0   705   79   673  361   .1  .0    64  35

           TOTAL 20   306   337   .1  .0  1169  464   357  270   .1  .0   669  249  1500 1456   .6 1.3   107  25

F3M  H-L 75  ALL 19   263   252   .1  .0  1529  606   569  659   .2  .3   777  252  2490 2931  1.5 2.8   123  41
         76  ALL 16   305   362   .1  .0  1450  478   577  377   .2  .1  1012  613  1684 1656   .5 1.0   127  25
         77  ALL  5   216   168   .1  .0  1743  465   363  206   .1  .0   958  378   727  447   .2  .0   127  15

           TOTAL 40   307   292   .1  .0  1524  537   549  513   .2  .2   694  449  1947 2325   .9 2.1   125  32

F3M  D-G 75  ALL 10    38    39   .1  .0               40   26   .2  .0              104  122  1.0 1.7
         76  ALL  8    33    20   .2  .0               30   12   .2  .0              128  134   .4  .2
         77  ALL  2    25     7   .2  .0               30        .2  .0               42   10   .2  .1

           TOTAL 20    35    30   .1  .0               35   20   .2  .0              107  120   .6 1.2

F3M  H-G 75  ALL 19    41    33   .1  .1               53   50   .3  .3              281  545  1.3 2.4
         76  ALL 16    25    17   .1  .0               29   13   .2  .1               89  107   .5 1.0
         77  ALL  5    16    11   .1  .0               26   11   .1  .1               42   28   .2  .1

           TOTAL 40    31    27   .1  .0               40   37   .2  .2              174  390   .8 1.6


                      ------------HC-------------  ----------CO-----------  -------RPM-------  ----------NOX----------
                  QTY --1ST---  --2500--  --2ND---  --1ST-- -2500-- --2ND--  --1ST---  --2ND---  --1ST-- -2500-- --2ND--
                      MEAN  SD  MEAN  SD  MEAN  SD  MEAN SD MEAN SD MEAN SD  MEAN  SD  MEAN  SD  MEAN SD MEAN SD MEAN SD

IDLE DEW 75  ALL 19    172 174    95  73   228 195    .8 1.6  .4  .6  .7 1.5   984 142   984 142
         76  ALL 16    104  97    97  82   168 144    .4  .6  .3  .2  .3  .4  1090 356  1101 373
         77  ALL  5     76  29    44  25   127  37    .1  .0  .2  .1  .1  .0  1000  70   980  44

           TOTAL 40    133 138    89  74   191 164    .6 1.2  .3  .4  .5 1.1  1028 247  1030 258

IDLE HTS 75  ALL 19    268 306    79  59   244 273    .7 1.4  .2  .1  .6 1.3   931 119   946 121  126  64 168  62 122  62
         76  ALL 16    202 193    67  50   206 203    .3  .1  .2  .1  .3  .1   912 105   935 111   93  31 134  25  92  35
         77  ALL  5    140  78    44  19   136  80    .1  .0  .2  .0  .1  .0   984 105   994 116   80     153  37  83  15

           TOTAL 40    226 245    70  52   216 228    .5 1.0  .2  .1  .4  .9   930 111   948 115  102  45 148  43 101  46
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=06    MODEL YR(S)=1976,1977

   MAKE=DODGE PLYMOUTH         MODEL=COLT ARROW


                      ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD   MEAN
                  QTY MEAN     SD MEAN     SD MEAN     SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT   ODOM

FTP  HTS 75 PASS
         76 PASS 14   1.46    .50 23.61  7.93 346.0  23.0 3.34   .65 3.04   .66 22.9  1.0   1    7.1 23101
         77 PASS  6   1.29    .39 12.94  1.88 369.3  72.7 2.52 1.11 2.19   .95 23.0  3.7   2   33.3 15066
         75 FAIL
         76 FAIL  9   1.78    .60 28.85  5.32 386.2  41.2 3.01 1.03 2.80   .99 20.5  2.3   0     .0 21830
         77 FAIL  8   1.70    .49 30.28 16.03 354.7  23.8 2.15 1.24 1.88 1.06 21.9  2.0   0     .0 18685

       ALL PASS 20    1.41    .46 20.41  6.31 353.0  43.3 3.09   .87 2.79   .83 22.9  2.0   3   15.0 20691
       ALL FAIL 17    1.74    .54 29.52 11.28 371.3  36.9 2.61 1.18 2.37 1.10 21.1  2.2   0     .0 20350

         75  ALL
         76  ALL 23   1.59    .55 25.66  7.37 361.7  36.5 3.21   .81 2.95   .79 21.9  2.0   1    4.3 22604
         77  ALL 14   1.52    .48 22.85 14.80 361.0  48.9 2.31 1.16 2.01   .99 22.4  2.8   2   14.2 17134

          TOTAL 37    1.56    .52 24.60 10.66 361.4  41.0 2.87 1.04 2.59   .97 22.1  2.3   3    8.1 20534

FSC  DEQ 75  ALL
         76  ALL 13   1.15    .44 18.58  6.67 302.4  29.4 2.03   .71                26.6  2.3
         77  ALL  3   1.50    .21 23.20  8.75 254.0  11.5 1.18   .47                30.1  2.0

          TOTAL 16    1.22    .43 19.45  7.02 293.3  33.0 2.36   .88                27.2  2.6

FSC  HTS 75  ALL
         76  ALL 23   1.17    .35 19.96  7.55 293.5  29.5 2.37   .70                27.2  2.6
         77  ALL 14   1.14    .42 21.91 14.90 281.6  36.6 1.44   .82                28.2  3.8

          TOTAL 37    1.16    .37 20.70 10.77 289.1  33.2 2.02   .87                27.6  3.1


                      -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 13  1227  331  .3  .3 2166  508 1511  483  .7  .4 1061  301 2384 1602 3.9 2.0   77  19
         77  ALL  3  1668  320  .2  .1 1303  576 1840  151  .8  .4  923  361 2972 1735 2.7 2.2   69  23

          TOTAL 16   1310  364  .3  .3 2004  609 1572  455  .8  .4 1035  305 2494 1584 3.7 2.0   76  19

F3M  H-L 75  ALL
         76  ALL 23  1439  403  .3  .3 2100  487 1679  502  .8  .5  961  309 2479 2083 3.4 2.1   64  28
         77  ALL 14  1160  548  .3  .3 1395  789 1572  616  .8  .5  875  396 2184 1296 2.4 2.2   96  62

          TOTAL 37   1333  476  .3  .3 1833  700 1639  543  .8  .5  928  342 2368 1811 3.0 2.1   89  44

F3M  D-G 75  ALL
         76  ALL 13    72   30  .3  .4              96   36  .8  .4            133   79 3.7 1.9
         77  ALL  3   121   14  .3  .1             126    7  .9  .4            183   75 2.9 2.4

          TOTAL 16     81   34  .3  .3             101   36  .8  .4            142   79 3.6 2.0

F3M  H-G 75  ALL
         76  ALL 23    95   53  .3  .3             112   70  .9  .5            165  139 3.0 1.8
         77  ALL 14    81   55  .3  .4             112   72  .9  .5            135   80 2.3 2.1

          TOTAL 37     90   53  .3  .3             112   70  .9  .5            154  120 2.7 2.0


                      -----------HC------------ ---------CO----------- -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 23   103  65   72  39  107  51 3.2 1.8 1.6 1.1 3.1 1.7  973 180  973 190
         77  ALL 14   157 144  131  84  189 194 3.0 2.7 2.5 2.1 3.0 2.8  917 204  917 205

          TOTAL 37    124 104   94  66  138 130 3.2 2.2 2.0 1.6 3.1 2.1  952 189  952 189

IDLE HTS 75  ALL
         76  ALL 23   133  67   60  29  103  51 2.8 1.8  .9  .9 2.8 1.8  897 175  935 169  85  13 195  91  89  16
         77  ALL 14   169 130   65  39  145 100 2.4 2.6  .8  .8 2.5 2.6  918 120  954 124  93  18 210  49 101  22

          TOTAL 37    147  96   62  33  118  75 2.6 2.1  .9  .8 2.7 2.1  905 155  942 152  89  16 202  73  95  19
```

```
                              APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=07    MODEL YR(S)=1975,1976

   MAKE=DATSUN                 MODEL=B210

                     ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD   MEAN
                 QTY MEAN    SD  MEAN    SD  MEAN    SD  MEAN   SD  MEAN   SD  MEAN   SD  QTY PERCT   ODOM

FTP  HTS 75 PASS 14  1.34   .39 10.41  1.96 315.2  20.8  3.33  .95  3.12  .90  26.4  1.4    8  57.1  31950
         76 PASS 25  1.34   .27  9.46  2.61 317.6  12.8  3.08  .52  2.77  .42  26.3  1.0   13  52.0  36276
         77 PASS
         75 FAIL  3  1.01   .26 16.64 13.67 338.7  15.2  2.46  .60  2.42  .37  24.2  1.9    2  66.6  50137
         76 FAIL  3  1.59   .47  9.52  3.73 316.5  27.5  2.97  .28  2.67  .17  26.4  2.1    1  33.3  23035
         77 FAIL

        ALL PASS 39  1.34   .32  9.80  2.42 316.8  15.9  3.17  .70  2.89  .65  26.4  1.2   21  53.8  34723
        ALL FAIL  6  1.30   .46 13.06  5.77 327.6  23.3  2.71  .50  2.54  .29  25.3  2.2    3  50.0  36586

         75  ALL 17  1.28   .39 11.51  5.70 319.3  21.5  3.18  .94  2.99  .87  26.0  1.7   10  58.8  35159
         76  ALL 28  1.37   .30  9.46  2.66 317.5  14.2  3.07  .50  2.76  .40  26.3  1.1   14  50.0  34857
         77  ALL

          TOTAL 45  1.33   .33 10.23  4.14 318.2  17.1  3.11  .69  2.85  .62  26.2  1.3   24  53.3  34971

FSC  DEQ 75  ALL 10  1.25   .59  7.15  3.43 262.6  18.1  2.48  .80              32.0  1.9
         76  ALL 23  1.13   .32  6.29  3.74 278.2  19.3  2.19  .59              30.5  1.9
         77  ALL

          TOTAL 33  1.17   .41  6.55  3.62 273.5  20.0  2.28  .66              30.9  2.0

FSC  HTS 75  ALL 17  1.06   .33  6.77  3.18 263.0  32.6  2.31 1.06              32.3  3.2
         76  ALL 28   .99   .19  5.56  1.51 260.6  12.7  1.90  .43              32.5  1.5
         77  ALL

          TOTAL 45  1.01   .25  6.02  2.33 261.5  22.1  2.05  .75              32.5  2.2


                     -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 10  1266  196  .4  .4 2298  358 1270  346  .1  .0 1484  638  889  260  .5  .3   94  34
         76  ALL 23  1255  262  .1  .0 2376  360 1284  255  .1  .0 1121  339 1040  278  .6  .3   82  30
         77  ALL

          TOTAL 33  1258  256  .2  .2 2352  356 1280  280  .1  .0 1231  472  994  278  .6  .3   86  31

F3M  H-L 75  ALL 17  1267  406  .2  .1 2206  373 1289  430  .1  .0 1404  554  962  314  .5  .4   89  36
         76  ALL 26  1238  233  .1  .0 2332  334 1527  407  .1  .0 1314  439 1151  358  .8  .4   99  52
         77  ALL

          TOTAL 45  1257  306  .1  .1 2284  351 1437  427  .1  .0 1348  481 1079  351  .7  .4   95  46

F3M  D-G 75  ALL 10    90   18  .4  .4             101   29  .1  .0             79   24  .5  .4
         76  ALL 23    88   19  .1  .0              98   19  .1  .0             95   31  .7  .4
         77  ALL

          TOTAL 33    88   19  .2  .2              99   22  .1  .0             90   29  .6  .4

F3M  H-G 75  ALL 17    84   32  .2  .1             100   49  .1  .0             85   38  .5  .4
         76  ALL 28   122   54  .1  .0             155   50  .1  .0            132   67  .8  .5
         77  ALL

          TOTAL 45   108   50  .2  .1             134   56  .1  .0            114   62  .7  .5


                     -----------HC------------- ---------CO----------- -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 17    62  21  202 476   99  57   .7  .5   .8 1.7   .6  .4 1090 495 1139 556
         76  ALL 28    98  62   63  18  113  59  1.1  .9   .3  .3  1.0  .9  945 131  957 171
         77  ALL

          TOTAL 45    84  53  116 295  107  58  1.0  .8   .5 1.1   .9  .8  999 321 1025 369

IDLE HTS 75  ALL 17   105  35   51  13   87  26   .8  .6   .2  .1   .6  .3  902 214  953 204   71  26  211  45   68  19
         76  ALL 28   149  46   55  20   99  34   .9  .6   .2  .1   .7  .4  856 126  922 129   64  18  190  51   66  19
         77  ALL

          TOTAL 45   114  42   54  17   95  31   .9  .6   .2  .1   .7  .4  874 164  934 160   66  21  197  49   66  19
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=08    MODEL YR(S)=1977

   MAKE=DATSUN                MODEL=B210

                       ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                   QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 29    1.12   .47 11.34  3.62 321.9  28.9 2.37  .81 2.14  .70 25.9  2.0  12  41.3 18146
         75 FAIL
         76 FAIL
         77 FAIL  6    1.97  1.95 10.84  3.78 326.8  10.6 2.35  .69 2.11  .56 25.3   .5   2  33.3 21168

       ALL PASS 29     1.12   .47 11.34  3.62 321.9  28.9 2.37  .81 2.14  .70 25.9  2.0  12  41.3 18146
       ALL FAIL  6     1.97  1.95 10.84  3.78 326.8  10.6 2.35  .69 2.11  .56 25.3   .5   2  33.3 21168

         75  ALL
         76  ALL
         77  ALL 35    1.26   .92 11.26  3.60 322.7  26.6 2.37  .78 2.14  .67 25.8  1.8  14  40.0 18664

          TOTAL 35     1.26   .92 11.26  3.60 322.7  26.6 2.37  .78 2.14  .67 25.8  1.8  14  40.0 18664

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 17    1.00   .35 11.59  6.45 263.6  18.9 1.64  .71           31.2  1.7

          TOTAL 17     1.00   .35 11.59  6.45 263.6  18.9 1.64  .71           31.2  1.7

FSC  HTS 75  ALL
         76  ALL
         77  ALL 35     .94   .66  9.23  4.74 260.3  22.1 1.00  .63           32.1  2.4

          TOTAL 35      .94   .66  9.23  4.74 260.3  22.1 1.00  .63           32.1  2.4


                    -----------HIGH----------- -----------LOW------------- -----------IDLE-----------
                    ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 17 1354  506  .4  .4 1944  654 1055  416  .4  .5  822  388 1316  700 1.0  .6   78  50

          TOTAL 17  1354  506  .4  .4 1944  654 1055  416  .4  .5  822  388 1316  700 1.0  .6   78  50

F3M  H-L 75  ALL
         76  ALL
         77  ALL 35 1306  500  .4  .3 1893  669 1296  747  .4  .4 1043  523 1538 1745  .9  .5   97  73

          TOTAL 35  1306  500  .4  .3 1893  669 1296  747  .4  .4 1043  523 1538 1745  .9  .5   97  73

F3M  D-G 75  ALL
         76  ALL
         77  ALL 17  107   35  .5  .4              87   26  .4  .5             110   51 1.1  .6

          TOTAL 17   107   35  .5  .4              87   26  .4  .5             110   51 1.1  .6

F3M  H-G 75  ALL
         76  ALL
         77  ALL 35  102   51  .5  .4             118   80  .5  .4             158  247  .9  .6

          TOTAL 35   102   51  .5  .4             118   80  .5  .4             158  247  .9  .6


               -----------HC------------ ---------CO----------- -------RPM------- ----------NOX----------
           QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
               MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 35 163 262  100 191  218 296 1.1  .8  .3  .2  .9  .7  914 164  923 164

          TOTAL 35  163 262  100 191  218 296 1.1  .8  .3  .2  .9  .7  914 164  923 164

IDLE HTS 75  ALL
         76  ALL
         77  ALL 35 238 473  100 298  232 468 1.0  .8  .2  .2  .9  .7  805 127  875 164   60 15  135 35   60 16

          TOTAL 35  238 473  100 298  232 468 1.0  .8  .2  .2  .9  .7  805 127  875 164   60 15  135 35   60 16
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=09     MODEL YR(S)=1975,1976

   MAKE=TOYOTA                  MODEL=COROLLA

                    ---HC----- ----CO----- ---CO2----- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 19 1.28   .33 12.14  2.12 401.9  23.1 2.59  .72 2.31  .60 20.9  1.0  12  63.1 38979
         76 PASS 18 1.59   .44 11.61  2.93 370.6  24.7 2.57  .32 2.32  .29 22.5  1.3   7  36.8 27154
         77 PASS
         75 FAIL  3 1.45   .20 19.41  6.78 381.8  21.4 2.49  .83 2.12  .65 21.3  1.1   1  33.3 56198
         76 FAIL  1 3.86   .00 37.48   .00 344.7    .0 2.34  .00 2.09  .00 21.3   .0   0    .0 41079
         77 FAIL

        ALL PASS 37 1.43   .41 11.88  2.52 386.7  28.4 2.58  .56 2.32  .47 21.7  1.4  19  51.3 33226
        ALL FAIL  4 2.05  1.21 23.93 10.59 372.5  25.4 2.45  .68 2.11  .53 21.3   .9   1  25.0 52418

         75  ALL 22 1.30   .32 13.13  3.84 399.1  23.5 2.58  .72 2.28  .59 20.9  1.0  13  59.0 41327
         76  ALL 19 1.71   .67 12.98  6.58 369.3  24.7 2.56  .31 2.31  .29 22.5  1.3   7  36.8 27887
         77  ALL

           TOTAL 41 1.49   .55 13.06  5.22 385.3  28.1 2.57  .56 2.30  .47 21.6  1.4  20  48.7 35099

FSC  DEG 75  ALL 14 1.01   .33  8.66  2.20 340.6  32.4 2.16  .52           24.9  2.1
         76  ALL 10 1.27   .24  9.29  3.16 308.6  21.5 2.13  .41           27.2  1.7
         77  ALL

           TOTAL 24 1.12   .31  8.92  2.60 327.3  32.1 2.15  .47           25.9  2.2

FSC  HTS 75  ALL 22  .67   .29 10.89  8.31 326.6  24.3 1.78  .38           25.6  1.5
         76  ALL 19 1.13   .45 11.14  6.12 297.1  21.6 1.75  .23           28.0  2.0
         77  ALL

           TOTAL 41  .99   .39 11.00  7.29 312.9  27.2 1.77  .32           26.7  2.1


                    ------------HIGH------------ ------------LOW------------- ------------IDLE------------
                    ---HC---- ---CO--- ---NOX--- ---HC---- ---CO--- ---NOX--- ---HC---- ---CO--- ---NOX---
                QTY MEAN   SD MEAN  SD MEAN   SD MEAN   SD MEAN  SD MEAN   SD MEAN   SD MEAN  SD MEAN   SD

F3M  D-L 75  ALL 14  863  336   .2  .1 1706  462  948  604   .5  .4  586  160 1016  394   .6  .2   60   14
         76  ALL 10 1029  330   .2  .1 1787  328 1337  298   .5  .3  737  198 1066  678   .5  .2   58    7
         77  ALL

           TOTAL 24  944  334   .2  .1 1740  405 1110  529   .5  .4  649  188 1037  518   .6  .2   60   11

F3M  H-L 75  ALL 22  815  352   .2  .1 1524  456 1004  581   .7  .4  496  122 1058  562   .6  .3   63   12
         76  ALL 19  834  416   .2  .1 1502  454 1379  746   .8  .5  549  218  963  529   .6  .5   77   78
         77  ALL

           TOTAL 41  824  379   .2  .1 1514  450 1178  661   .7  .4  521  173 1014  542   .6  .4   69   54

F3M  D-G 75  ALL 14   58   22   .2  .1             78   50   .6  .4             96   42   .6  .2
         76  ALL 10   69   25   .2  .1            106   24   .6  .3            101   76   .6  .3
         77  ALL

           TOTAL 24   63   24   .2  .1             90   42   .6  .3             98   57   .6  .2

F3M  H-G 75  ALL 22   70   42   .3  .2             94   57   .7  .4            119  125   .7  .3
         76  ALL 19   73   23   .3  .1            114   46   .8  .4             93   48   .6  .4
         77  ALL

           TOTAL 41   71   34   .3  .1            103   53   .7  .4            107   97   .6  .3


                    ----------HC-------------- ----------CO-------------- -------RPM-------- ----------NOX-------------
                QTY --1ST--- --2500-- --2ND--- --1ST--- --2500-- --2ND--- --1ST--- --2ND--- --1ST--- --2500-- --2ND---
                    MEAN  SD MEAN  SD MEAN  SD MEAN  SD MEAN  SD MEAN  SD MEAN  SD MEAN  SD MEAN  SD MEAN  SD MEAN  SD

IDLE DEG 75  ALL 22   73  38   50  56  127  86   .9  .9   .3  .4   .8  .7  950 108  954 112
         76  ALL 19   79  79   51  61  166 247  1.1 1.4   .3  .4  1.0 1.2  893 147  913 155
         77  ALL

           TOTAL 41   76  60   51  58  145 178  1.0 1.1   .3  .4   .9  .9  923 129  935 133

IDLE HTS 75  ALL 22  104  50   31  13  102  40   .8  .5   .3  .3   .7  .5  895 142  919 109   58  14  106  28   56  17
         76  ALL 19  132 101   44  37  128 111  1.1 1.4   .4  .3   .9 1.3  849 137  927 142   45  12   92  22   45  11
         77  ALL

           TOTAL 41  117  78   37  27  114  81   .9 1.0   .4  .3   .8  .9  874 140  923 124   53  14  101  26   52  16
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=10    MODEL YR(S)=1977

   MAKE=TOYOTA                MODEL=CELICA

                        ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                    QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS  1 1.24   .00 16.34   .00 399.7    .0 1.73  .00 1.63  .00 20.7   .0   0    .0 50437
         77 PASS 39  .75   .24 14.47  2.38 434.0  22.6 1.47  .50 1.34  .47 19.3   .9  24  61.5 18893
         75 FAIL
         76 FAIL
         77 FAIL

        ALL PASS 40  .77   .25 14.52  2.37 433.2  22.9 1.48  .50 1.34  .46 19.3   .9  24  60.0 19682
        ALL FAIL

         75  ALL
         76  ALL  1 1.24   .00 16.34   .00 399.7    .0 1.73  .00 1.63  .00 20.7   .0   0    .0 50437
         77  ALL 39  .75   .24 14.47  2.38 434.0  22.6 1.47  .50 1.34  .47 19.3   .9  24  61.5 18893

           TOTAL 40  .77   .25 14.52  2.37 433.2  22.9 1.48  .50 1.34  .46 19.3   .9  24  60.0 19682

FSC  DEQ 75  ALL
         76  ALL  1  .73   .00 16.09   .00 342.2    .0 2.60  .00           24.0   .0
         77  ALL 21  .60   .20 10.54  2.68 366.7  25.7 1.44  .49           23.1  1.5

           TOTAL 22  .60   .20 10.80  2.87 365.5  25.6 1.49  .54           23.1  1.5

FSC  HTS 75  ALL
         76  ALL  1  .83   .00 11.19   .00 335.9    .0 3.53  .00           24.9   .0
         77  ALL 39  .50   .19 10.54  2.16 350.7  22.4 1.08  .32           24.1  1.4

           TOTAL 40  .51   .19 10.55  2.13 350.3  22.3 1.14  .50           24.1  1.4


                    -----------HIGH----------- -----------LO------------- -----------IDLE----------
                    ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL  1  540       .4  .0 1752       641       .7  .0  784       494       .8  .0   74
         77  ALL 21  268  102  .4  .1  975  274  257  199  .3  .1  260   96  489  225  .5  .2   55   8

           TOTAL 22  281  115  .4  .1 1010  315  275  211  .3  .1  284  146  490  219  .5  .2   55   8

F3M  H-L 75  ALL
         76  ALL  1  637       .2  .0 1885       761       .3  .0  921       574       .8  .0   74
         77  ALL 39  231  117  .4  .1  848  350  256  224  .4  .1  307  206  466  240  .5  .3   78 114

           TOTAL 40  241  132  .4  .1  874  382  269  236  .4  .1  322  225  468  238  .6  .3   78 113

F3M  D-G 75  ALL
         76  ALL  1   45       .4  .0             60       .7  .0             60       .8  .0
         77  ALL 21   28    8  .4  .1             33   15  .5  .5             47   17  .5  .2

           TOTAL 22   28    8  .4  .1             34   15  .5  .5             47   17  .6  .2

F3M  H-G 75  ALL
         76  ALL  1   70       .3  .0             90       .4  .0             70       .9  .0
         77  ALL 39   32   33  .4  .1             40   43  .4  .1             55   50  .6  .3

           TOTAL 40   33   33  .4  .1             42   43  .4  .1             55   49  .6  .3


                    -----------HC------------ ---------CO----------- -------RPM------- ----------NOX----------
                QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                    MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL  1   40       30       50       .8  .0  .4  .0 1.0  .0  900       900
         77  ALL 39   46  23   33  17   85  40   .7  .4  .3  .4  .7  .7  907 135  910 134

           TOTAL 40   46  22   33  16   84  40   .7  .4  .3  .4  .7  .7  907 133  910 132

IDLE HTS 75  ALL
         76  ALL  1   60       30       50      1.1  .0  .5  .0  .9  .0  840       900
         77  ALL 39   72  30   25   8   66  28   .7  .3  .3  .0  .6  .3  842 102  884 103   46 13   86 23   50 13

           TOTAL 40   71  29   25   8   65  28   .7  .3  .3  .0  .6  .3  842 101  885 101   46 13   86 23   50 13
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=11     MODEL YR(S)=1975,1976,1977

   MAKE=VW                      MODEL=BEETLE

                          ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                     QTY  MEAN     SD  MEAN    SD  MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 14    1.78    .30 20.66 13.83 323.7  27.3 2.98  .77 2.70  .70 24.6  2.0   0     .0 34076
         76 PASS 10    1.65    .37 20.95  7.65 328.5  13.8 3.03  .53 2.76  .54 24.2   .9   1   10.0 26211
         77 PASS  5    1.46    .25 14.21  3.92 364.3  21.0 2.35  .15 2.12  .11 22.7  1.4   0     .0 17915
         75 FAIL  4    1.69    .25 27.78 15.73 335.6  38.4 2.96  .96 2.70 1.00 23.1  1.7   0     .0 35365
         76 FAIL  3    1.97    .46 24.43  3.98 310.9  26.2 3.06 1.29 2.62  .98 25.0  2.1   0     .0 21637
         77 FAIL  3    2.27    .29 35.74  3.95 316.3   9.7 2.16  .14 1.86  .09 23.3   .7   0     .0 23269

       ALL PASS 29     1.68    .33 19.67 10.78 332.3  26.3 2.89  .66 2.62  .61 24.1  1.7   1    3.4 28577
       ALL FAIL 10     1.95    .38 29.16 12.63 322.5  28.3 2.75  .92 2.42  .83 23.7  1.7   0     .0 27618

        75  ALL 18     1.76    .29 22.25 14.97 326.4  29.2 2.98  .78 2.70  .74 24.3  2.0   0     .0 34362
        76  ALL 13     1.73    .40 21.75  6.96 324.4  17.8 3.04  .70 2.73  .62 24.4  1.2   1    7.6 25155
        77  ALL  8     1.76    .48 22.25 11.72 346.3  29.9 2.28  .16 2.02  .16 22.9  1.1   0     .0 19923

         TOTAL 39      1.75    .36 22.10 11.86 329.8  26.8 2.85  .72 2.57  .67 24.0  1.7   1    2.5 28331

FSC  DEW 75  ALL 12    1.17    .18 12.99 11.36 273.2  22.1 2.39  .60            29.9  2.4
         76  ALL  3    1.20    .23  7.03  5.45 271.1  28.1 1.81  .64            31.1  2.1
         77  ALL  2    1.13    .08  8.26  6.19 309.7  10.6 2.26  .36            27.1   .0

         TOTAL 17      1.17    .17 11.38 10.07 277.1  24.3 2.27  .59            29.8  2.4

FSC  HTS 75  ALL 18    1.19    .25 14.80 12.84 274.8  29.5 2.20  .66            29.6  2.8
         76  ALL 13    2.61   6.01 13.54  6.37 270.6  17.7 1.98  .57            29.6  2.5
         77  ALL  8    1.24    .34 13.73  9.47 291.7  34.2 1.90  .23            28.0  1.9

         TOTAL 39      1.74   3.47 14.16 10.17 276.9  27.7 2.06  .57            29.3  2.6


                    ------------HIGH------------ ------------LOW------------- -----------IDLE-----------
                    ---HC---- ---CO-- ---NOX---  ----HC--- ---CO-- ---NOX---  ----HC--- ---CO-- ---NOX--
                QTY MEAN   SD MEAN SD MEAN    SD MEAN   SD MEAN SD MEAN    SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 12  1756  419  .7  .8 2222  470 1979  532  .7  .7 1271  341 1644  578 1.3 1.1  120  21
         76  ALL  3   946  431  .1  .0 1806 1205 1328  554  .2  .1  754  233 3651 2722 1.8 2.5   87  28
         77  ALL  2  1651  175  .5  .1 1737   35 1646  151  .4  .4 1599  314 1295  461  .8 1.0  120   5

         TOTAL 17    1601  495  .6  .7 2092  614 1825  550  .6  .7 1218  392 1957 1354 1.3 1.3  114  24

F3M  H-L 75  ALL 18  1665  531 1.0 1.0 2095  418 2017  587 1.1 1.1 1112  373 1969  691 1.7 1.4  122  27
         76  ALL 13  1590  432  .2  .2 2054  576 2260 1506  .8  .5  928  367 3109 2470 1.9 1.2  106  34
         77  ALL  8  1606  708  .4  .2 1368  266 1922  890  .7  .6 1208  266 2049 1419 2.1 1.7  114  15

         TOTAL 39    1670  568  .6  .8 1932  529 2079 1017  .9  .9 1071  360 2365 1672 1.8 1.4  115  28

F3M  D-G 75  ALL 12   110   23  .7  .8            139   38  .7  .7            108   32 1.3 1.1
         76  ALL  3    71   17  .1  .0            105   25  .2  .1            266  100 1.8 2.5
         77  ALL  2   110   14  .5  .0            125    7  .5  .4            100       .9 1.0

         TOTAL 17     103   25  .6  .7            131   35  .6  .7            135   88 1.4 1.3

F3M  H-G 75  ALL 18   115   36 1.0 1.0            141   60 1.1 1.1            122   67 1.6 1.4
         76  ALL 13    78   20  .3  .3            155  130  .8  .5            290  524 1.7  .9
         77  ALL  8   100   20  .5  .2            123   27  .8  .6            116   44 2.1 1.6

         TOTAL 39      99   32  .7  .7            142   85 1.0  .8            177  309 1.7 1.3


                   ------------HC------------- ----------CO------------ --------RPM------- -----------NOX----------
               QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                   MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEW 75  ALL 18  100  46  117  54  126  54 1.8 1.4 1.5 1.2 1.9 1.9 1037 230 1042 227
         76  ALL 13  120  73  103  29  145 126 2.1  .9 1.7 1.3 2.2 1.0  969 239  973 236
         77  ALL  8  142 133  106  59  108  48 2.2 1.7  .7  .8 2.1 1.7  966 188  966 188

         TOTAL 39    115  76  110  48  129  83 2.0 1.3 1.4 1.2 2.1 1.6 1001 224 1005 222

IDLE HTS 75  ALL 18  141  43   73  32  120  33 1.3 1.2 1.0 1.1 1.5 1.4  882 117  927 135  96  42 250  74 106  42
         76  ALL 13  227 178  101  47  196 170 2.1 1.3 1.3 1.2 2.4 1.3  860 222  923 263  95  37 248  73 121  71
         77  ALL  8  145  46   75  27  117  31 2.2 1.6  .8  .8 2.0 1.3  793 114  843 126  74  35 200 119  82  39

         TOTAL 39    171 113   83  38  144 105 1.7 1.3 1.1 1.1 1.9 1.3  856 159  908 185  92  39 240  83 105  51
```

```
                          APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=12    MODEL YR(S)=1976,1977

   MAKE=VW                     MODEL=RABBIT SCIROCCO

                       ----HC----  ----CO----  ---CO2----  ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                  QTY  MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS  21   1.17   .65 17.21 11.65 360.3  36.1 2.28  .71 2.05  .67 22.7  1.4  10  47.6 31914
         77 PASS   1   1.13   .00  8.79   .00 378.4    .0 2.84  .00 2.44  .00 22.4   .0   0    .0 21877
         75 FAIL
         76 FAIL  11   1.99  1.41 35.39 22.99 350.9  37.5 2.03  .70 1.84  .67 21.7  2.5   2  18.1 31438
         77 FAIL   8   2.14   .96 28.95 15.82 328.2  29.3 2.13  .48 2.03  .54 23.3  1.3   0    .0 16469

       ALL PASS   22   1.17   .63 16.83 11.51 361.1  35.4 2.30  .70 2.07  .66 22.7  1.4  10  45.4 31457
       ALL FAIL   19   2.05  1.21 32.68 20.04 341.4  35.3 2.07  .60 1.92  .61 22.4  2.2   2  10.5 25135

         75  ALL
         76  ALL  32   1.45  1.03 23.46 18.30 357.1  36.3 2.19  .71 1.98  .67 22.4  1.9  12  37.5 31750
         77  ALL   9   2.05   .96 26.71 16.26 333.8  32.1 2.21  .50 2.07  .52 23.2  1.2   0    .0 17069

           TOTAL  41   1.58  1.03 24.18 17.73 352.0  36.3 2.20  .66 2.00  .63 22.6  1.8  12  29.2 28527

FSC  DEQ 75  ALL
         76  ALL  14   1.49   .98 28.74 21.83 290.0  41.9 1.57  .60           26.2  1.8
         77  ALL   8   1.80   .84 29.95 18.14 263.5  23.8 1.42  .61           28.0  1.4

           TOTAL  22   1.60   .92 29.18 20.12 280.4  38.0 1.52  .59           26.8  1.9

FSC  HTS 75  ALL
         76  ALL  32   1.36  2.24 23.27 22.75 291.1  36.0 1.24  .55           26.9  2.5
         77  ALL   9   1.88  1.00 34.15 17.46 253.1  24.8 1.33  .47           28.4  1.7

           TOTAL  41   1.47  2.04 25.66 21.96 282.7  37.1 1.26  .52           27.2  2.4

                  -----------HIGH-----------  -----------LOW------------  -----------IDLE----------
                  ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
              QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL  14 1624 1159 2.1 1.4 1192  502 1608 1263 2.0 1.6  619  319 1341 1545 1.7 2.4   64  17
         77  ALL   8 2521  662 1.4  .8 2154  327 2885  687 1.9 1.4  724  371 4096 2522 4.9 2.0   76  30

           TOTAL  22 1950 1083 1.8 1.3 1542  645 2072 1254 2.0 1.5  657  334 2343 2331 2.8 2.7   68  22

F3M  H-L 75  ALL
         76  ALL  32 1461 1429 1.7 1.8 1007  548 1531 1589 1.8 2.1  516  351 1720 2717 1.8 2.7   78  37
         77  ALL   9 2377  438 1.5  .9 1958  346 3264 1169 2.8 1.4  530  239 5094 2843 6.0 1.9   73  23

           TOTAL  41 1662 1330 1.6 1.6 1216  644 1916 1664 2.0 2.0  519  327 2461 3056 2.7 3.1   77  34

F3M  D-G 75  ALL
         76  ALL  14  101   70 2.0 1.3            115   89 1.9 1.5             77   48 1.6 2.2
         77  ALL   8  176  126 1.9 1.3            243  163 2.4 1.6            228  184 4.7 2.1

           TOTAL  22  128   98 1.9 1.3            162  133 2.1 1.5            132  135 2.7 2.6

F3M  H-G 75  ALL
         76  ALL  32  109  101 1.8 1.8            128  129 1.8 2.1            193  420 1.8 2.7
         77  ALL   9  168   45 1.8  .9            243   65 2.9 1.3            377  260 5.7 2.4

           TOTAL  41  122   94 1.8 1.6            154  125 2.0 2.0            234  394 2.7 3.1

                   -----------HC------------  ---------CO-----------  -------RPM-------  ----------NOX----------
              QTY --1ST--- --2500-- --2ND---  --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                  MEAN  SD MEAN  SD MEAN  SD  MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL  32   54  60   72  87   94 166  1.3 2.3 1.0 1.7 1.2 2.2 1050 196 1050 195
         77  ALL   9  153  65  105  60  166  69  4.2 1.1 1.8 1.4 3.8 1.0  961 134 1100 440

           TOTAL  41   76  73   79  82  110 152  1.9 2.4 1.2 1.7 1.8 2.3 1030 186 1061 263

IDLE HTS 75  ALL
         76  ALL  32   89 111   55  41   72  60   .8 1.3  .2  .3  .7 1.1 1013 162 1033 151   65  24  136  52   72  20
         77  ALL   9  177 104   70  30  163  87  3.6 1.2 1.2  .9 3.6 1.2  901 124  894 121  109  31  188  26  106  26

           TOTAL  41  109 114   58  39   92  76  1.4 1.7  .5  .6 1.3 1.7  989 160 1003 155   73  30  146  52   79  24
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=13    MODEL YR(S)=1976,1977

   MAKE=VOLVO                  MODEL=240

                      ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD   MEAN
                  QTY MEAN     SD  MEAN     SD  MEAN     SD MEAN   SD MEAN    SD MEAN    SD QTY PERCT   ODOM

FTP  HTS 75 PASS
         76 PASS 28    .96    .38 10.10  3.12 518.4   32.7 2.91  .52 2.62   .39 16.5  1.0  23  82.1 31435
         77 PASS  4   1.18    .30 19.24  4.69 466.0   15.9 1.74  .18 1.54   .12 17.7   .7   1  25.0  9192
         75 FAIL
         76 FAIL  1   1.69    .00 28.55   .00 480.6     .0 2.76  .00 2.39   .00 16.7   .0   0    .0 33982
         77 FAIL  5   2.70   2.59 41.71 25.15 443.8   37.9 1.44  .76 1.21   .62 17.1   .3   1  20.0 16526

        ALL PASS 32    .99    .38 11.24  4.48 511.9   35.6 2.76  .63 2.48   .52 16.7  1.0  24  75.0 28654
        ALL FAIL  6   2.53   2.35 39.51 23.13 449.9   37.0 1.66  .86 1.40   .73 17.0   .3   1  16.6 19435

         75  ALL
         76  ALL 29    .98    .40 10.73  4.59 517.1   32.8 2.90  .52 2.61   .39 16.5  1.0  23  79.3 31522
         77  ALL  9   2.02   2.01 31.72 21.56 453.7   30.8 1.58  .57 1.35   .48 17.4   .6   2  22.2 13207

           TOTAL 36   1.23   1.09 15.70 14.08 502.1   42.0 2.59  .77 2.31   .67 16.7   .9  25  65.7 27199

FSC  DEQ 75  ALL
         76  ALL 13   3.48   9.94  9.52  6.31 422.8   36.1 2.15  .55             19.8  1.2
         77  ALL

           TOTAL 13   3.48   9.94  9.52  6.31 422.8   36.1 2.15  .55             19.8  1.2

FSC  HTS 75  ALL
         76  ALL 29    .73    .46 11.45  6.90 416.6   29.6 1.74  .49             20.3  1.4
         77  ALL  9   3.54   6.49 36.41 20.81 341.2   25.8 1.03  .47             21.7  1.6

           TOTAL 36   1.40   3.27 17.36 15.66 398.7   43.2 1.57  .57             20.7  1.5

                  -----------HIGH----------- -----------LOW------------ -----------IDLE----------
                  ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN SD

F3M  D-L 75  ALL
         76  ALL 13   507  390  .2  .3 1048  157  512  338  .2  .3  488   99  833  657  .6  .9   62  11
         77  ALL

           TOTAL 13   507  390  .2  .3 1048  157  512  338  .2  .3  488   99  833  657  .6  .9   62  11

F3M  H-L 75  ALL
         76  ALL 29   546  724  .3  .4  940  255  621  466  .4  .3  428  136  912  924  .5  .7   65  27
         77  ALL  9  2025  886 1.9 1.3  924  448 2774 2809 2.2 1.7  349  203 2829 2873 1.7 1.5   56  22

           TOTAL 38   696  986  .7  .9  936  304 1131 1657  .8 1.1  409  155 1366 1764  .8 1.0   63  26

F3M  D-G 75  ALL
         76  ALL 13    43   11  .3  .2             48   12  .3  .3             81   57  .6  .8
         77  ALL

           TOTAL 13    43   11  .3  .2             48   12  .3  .3             81   57  .6  .8

F3M  H-G 75  ALL
         76  ALL 29    48   45  .4  .4             63   53  .4  .3             96  117  .5  .7
         77  ALL  9   115   51 2.0 1.2            146  114 2.3 1.7            315  633 1.7 1.5

           TOTAL 36    64   54  .7 1.0             83   79  .8 1.1            146  325  .8 1.1

                  -----------HC------------ ---------CO----------- -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 29    51  24   42  24   55  30  .5  .7  .2  .3  .4  .6  972 130  966 118
         77  ALL  9   122  84   83  72  140  83 2.5 2.1 1.1 1.0 2.5 2.0  987 254  993 269

           TOTAL 36    68  54   52  43   75  59 1.0 1.4  .4  .6  .9 1.4  975 161  972 159

IDLE HTS 75  ALL
         76  ALL 29    85 153   27  13   81 144  .5  .5  .1  .1  .4  .4  941 102  929  95  46   6  95  16  49  10
         77  ALL  9   124  74   72  33  125  67 2.0 1.6 1.1  .8 1.7 1.4  935 138  933 120  77  26 138  50  86  33

           TOTAL 38    94 139   37  27   91 130  .8 1.1  .4  .5  .7  .9  940 109  930 100  56  22 110  37  62  27
```

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                              APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=14    MODEL YR(S)=1975

   MAKE=DODGE PLYMOUTH         MODEL=DART VALIANT

                          ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                     QTY  MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 15    .96   .28 13.15  5.15 484.6  30.9 3.71 2.04 3.23 1.73 17.5  1.0   4  26.6 26633
         76 PASS
         77 PASS
         75 FAIL 26   3.39  3.87 50.69 40.45 441.9  51.4 3.52 1.85 3.25 1.70 16.7  1.2   0    .0 37592
         76 FAIL
         77 FAIL

        ALL PASS 15    .96   .28 13.15  5.15 484.6  30.9 3.71 2.04 3.23 1.73 17.5  1.0   4  26.6 26633
        ALL FAIL 26   3.39  3.87 50.69 40.45 441.9  51.4 3.52 1.85 3.25 1.70 16.7  1.2   0    .0 37592

         75  ALL 41   2.50  3.29 36.95 36.97 457.5  49.2 3.59 1.90 3.24 1.69 17.0  1.2   4   9.7 33583
         76  ALL
         77  ALL

           TOTAL 41   2.50  3.29 36.95 36.97 457.5  49.2 3.59 1.90 3.24 1.69 17.0  1.2   4   9.7 33583

FSC  DEW 75  ALL 21   2.29  1.45 35.65 30.65 379.4  48.8 3.06 1.83           20.1  1.4
         76  ALL
         77  ALL

           TOTAL 21   2.29  1.45 35.65 30.65 379.4  48.8 3.06 1.83           20.1  1.4

FSC  HTS 75  ALL 41   2.30  2.82 34.35 37.38 355.1  45.4 2.61 1.55           21.4  1.7
         76  ALL
         77  ALL

           TOTAL 41   2.30  2.82 34.35 37.38 355.1  45.4 2.61 1.55           21.4  1.7

                     -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 21   902  901   .4  .7 1453  890 1447 1092   .7  .9 1361  651 3321 2874 3.5 3.2  128  78
         76  ALL
         77  ALL

           TOTAL 21   902  901   .4  .7 1453  890 1447 1092   .7  .9 1361  651 3321 2874 3.5 3.2  128  78

F3M  H-L 75  ALL 41  1003 1306  1.0 2.2 1311  747 1499 1790  1.0 2.1 1386  714 2684 2481 3.2 3.3  159  91
         76  ALL
         77  ALL

           TOTAL 41  1003 1306  1.0 2.2 1311  747 1499 1790  1.0 2.1 1386  714 2684 2481 3.2 3.3  159  91

F3M  D-G 75  ALL 21    75   56   .9 1.8            125   79  1.0 1.2            221  160 3.5 3.1
         76  ALL
         77  ALL

           TOTAL 21    75   56   .9 1.8            125   79  1.0 1.2            221  160 3.5 3.1

F3M  H-G 75  ALL 41    87   81  1.0 2.2            127  115  1.1 2.1            237  369 3.1 3.1
         76  ALL
         77  ALL

           TOTAL 41    87   81  1.0 2.2            127  115  1.1 2.1            237  369 3.1 3.1

                     -----------HC------------ ---------CO----------- -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEW 75  ALL 41   216 354  149 214  250 384  3.6 3.5  1.3 1.9  3.4 3.4  775 147  780 151
         76  ALL
         77  ALL

           TOTAL 41   216 354  149 214  250 384  3.6 3.5  1.3 1.9  3.4 3.4  775 147  780 151

IDLE HTS 75  ALL 41   247 469  126 149  240 475  2.8 3.2  1.0 1.9  2.8 3.3  750 132  753 137  112  38  503 392  110  33
         76  ALL
         77  ALL

           TOTAL 41   247 469  126 149  240 475  2.8 3.2  1.0 1.9  2.8 3.3  750 132  753 137  112  38  503 392  110  33
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=15    MODEL YR(S)=1976

   MAKE=DODGE PLYMOUTH        MODEL=DART VALIANT ASPEN VOLARE

                     ----HC----  ----CO----  ---CO2---- ---NOX--- —NOXC--- ---MPG--- MEETS STD  MEAN
                 QTY MEAN     SD MEAN     SD MEAN     SD MEAN  SD MEAN  SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS  9  1.40   .68 16.08  9.86 485.8  31.2 3.73 1.30 3.54 1.41 17.2  1.0   0    .0 27430
         77 PASS
         75 FAIL
         76 FAIL 27  3.29  2.07 51.43 35.36 442.1  45.7 3.53 2.08 3.18 1.89 16.6  1.0   0    .0 26764
         77 FAIL

        ALL PASS  9  1.40   .68 16.08  9.86 485.8  31.2 3.73 1.30 3.54 1.41 17.2  1.0   0    .0 27430
        ALL FAIL 27  3.29  2.07 51.43 35.36 442.1  45.7 3.53 2.08 3.18 1.89 16.6  1.0   0    .0 26764

         75  ALL
         76  ALL 36  2.82  2.00 42.59 34.53 453.0  46.3 3.58 1.90 3.27 1.77 16.8  1.1   0    .0 26931
         77  ALL

           TOTAL 36  2.82  2.00 42.59 34.53 453.0  46.3 3.58 1.90 3.27 1.77 16.8  1.1   0    .0 26931

FSC  DEQ 75  ALL
         76  ALL 16  2.53  1.65 39.78 43.19 363.7  46.6 2.64 1.70           20.5  1.5
         77  ALL

           TOTAL 16  2.53  1.65 39.78 43.19 363.7  46.6 2.64 1.70           20.5  1.5

FSC  HTS 75  ALL
         76  ALL 36  2.71  1.81 42.47 38.53 345.3  42.2 2.33 1.50           21.2  1.9
         77  ALL

           TOTAL 36  2.71  1.81 42.47 38.53 345.3  42.2 2.33 1.50           21.2  1.9


                 -----------HIGH------------ -----------LOW------------- -----------IDLE----------
                 ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN  SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 16 1038 1087 1.1 2.5 1147  604 1336 1265  .7 1.5 1332  829 2970 1830 2.8 2.6  172 158
         77  ALL

           TOTAL 16 1038 1087 1.1 2.5 1147  604 1336 1265  .7 1.5 1332  829 2970 1830 2.8 2.6  172 158

F3M  H-L 75  ALL
         76  ALL 36 1552 1438 1.6 2.7 1201  719 1960 1974 1.0 2.1 1138  757 3995 2747 3.4 3.1  178 128
         77  ALL

           TOTAL 36 1552 1438 1.6 2.7 1201  719 1960 1974 1.0 2.1 1138  757 3995 2747 3.4 3.1  178 128

F3M  D-G 75  ALL
         76  ALL 16   92   77 1.2 2.6            119   89  .8 1.5            210  117 2.8 2.6
         77  ALL

           TOTAL 16   92   77 1.2 2.6            119   89  .8 1.5            210  117 2.8 2.6

F3M  H-G 75  ALL
         76  ALL 36  111   79 1.5 2.5            160  153 1.0 2.0            347  434 3.3 3.1
         77  ALL

           TOTAL 36  111   79 1.5 2.5            160  153 1.0 2.0            347  434 3.3 3.1


                 -----------HC------------- ----------CO----------- -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 36  310 227  222 238  367 275 4.0 3.1 1.4 2.7 3.8 3.1  813 127  811 127
         77  ALL

           TOTAL 36  310 227  222 238  367 275 4.0 3.1 1.4 2.7 3.8 3.1  813 127  811 127

IDLE HTS 75  ALL
         76  ALL 36  345 203  164 131  329 211 3.6 2.9 1.1 1.6 3.2 3.1  810 115  820 116 116  34 327 266 111  33
         77  ALL

           TOTAL 36  345 203  164 131  329 211 3.6 2.9 1.1 1.6 3.2 3.1  810 115  820 116 116  34 327 266 111  33
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=16    MODEL YR(S)=1977

   MAKE=DODGE PLYMOUTH        MODEL=ASPEN VOLARE

                    ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                QTY MEAN     SD MEAN     SD MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 18  1.38   .71 19.15 16.13 498.2  43.0 2.37  .99 2.19  .97 16.7  1.1   3  16.6 18798
         75 FAIL
         76 FAIL
         77 FAIL 14  2.28   .83 35.13 14.01 475.9  31.5 3.11 1.87 2.81 1.65 16.5  1.0   0    .0 21196

       ALL PASS 18  1.38   .71 19.15 16.13 498.2  43.0 2.37  .99 2.19  .97 16.7  1.1   3  16.6 18798
       ALL FAIL 14  2.28   .83 35.13 14.01 475.9  31.5 3.11 1.87 2.81 1.65 16.5  1.0   0    .0 21196

         75  ALL
         76  ALL
         77  ALL 32  1.77   .88 26.14 17.02 488.4  39.4 2.69 1.46 2.46 1.33 16.6  1.1   3   9.3 19847

           TOTAL 32  1.77   .88 26.14 17.02 488.4  39.4 2.69 1.46 2.46 1.33 16.6  1.1   3   9.3 19847

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 15  1.51   .95 22.44 21.30 398.6  52.3 2.67 1.87           20.4  2.0

           TOTAL 15  1.51   .95 22.44 21.30 398.6  52.3 2.67 1.87           20.4  2.0

FSC  HTS 75  ALL
         76  ALL
         77  ALL 32  1.58   .96 21.33 17.86 373.7  36.6 2.72 1.47           21.6  1.6

           TOTAL 32  1.58   .96 21.33 17.86 373.7  36.6 2.72 1.47           21.6  1.6

                   -----------HIGH----------- -----------LOW------------ -----------IDLE----------
                   ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 15  827  675  .5  .7  939  773  780  856  .6 1.1 1602  737 2122 2027 2.1 2.8  161  93

           TOTAL 15  827  675  .5  .7  939  773  780  856  .6 1.1 1602  737 2122 2027 2.1 2.8  161  93

F3M  H-L 75  ALL
         76  ALL
         77  ALL 32  912  886  .5  .9  867  695 1019  996  .4  .8 1933  596 2225 2002 1.8 2.4  218 132

           TOTAL 32  912  886  .5  .9  867  695 1019  996  .4  .8 1933  596 2225 2002 1.8 2.4  218 132

F3M  D-G 75  ALL
         76  ALL
         77  ALL 15   76   48  .5  .6              70   54  .6  .9             147  107 2.0 2.5

           TOTAL 15   76   48  .5  .6              70   54  .6  .9             147  107 2.0 2.5

F3M  H-G 75  ALL
         76  ALL
         77  ALL 32   89   56  .6  .9             112   83  .8 1.8             180  127 2.2 2.8

           TOTAL 32   69   56  .6  .9             112   83  .8 1.8             180  127 2.2 2.8

                   -----------HC------------ ---------CO----------- -------RPM------- ----------NOX---------
                QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                   MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 32  160 160  109  74  218 226 1.8 2.3  .8 1.0 1.8 2.3  769 125  777 125

           TOTAL 32  160 160  109  74  218 226 1.8 2.3  .8 1.0 1.8 2.3  769 125  777 125

IDLE HTS 75  ALL
         76  ALL
         77  ALL 32  167 103   97  64  153 112  .8 1.5  .6  .8 1.0 1.8  705 137  733 133   85  37 281 206  90  35

           TOTAL 32  167 103   97  64  153 112  .8 1.5  .6  .8 1.0 1.8  705 137  733 133   65  37 281 206  90  35
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=17    MODEL YR(S)=1975

   MAKE=CHRYS DODGE PLY        MODEL=CORDOBA CORONET CHARGER FURY

                    ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 15    .99    .40 10.83  7.30 682.6  40.3 2.81  .75 2.49  .61 12.6   .7   9  60.0 47284
         76 PASS
         77 PASS
         75 FAIL 16   4.11   6.69 46.26 24.23 630.6  36.3 2.54  .66 2.32  .57 12.3   .8   2  11.1 48784
         76 FAIL
         77 FAIL

        ALL PASS 15    .99    .40 10.83  7.30 682.6  40.3 2.81  .75 2.49  .61 12.6   .7   9  60.0 47284
        ALL FAIL 16   4.11   6.69 48.26 24.23 630.6  36.3 2.54  .66 2.32  .57 12.3   .8   2  11.1 48784

         75  ALL 33   2.69   5.13 31.24 26.33 654.2  45.8 2.67  .71 2.40  .58 12.5   .7  11  33.3 48102
         76  ALL
         77  ALL

           TOTAL 33   2.69   5.13 31.24 26.33 654.2  45.8 2.67  .71 2.40  .58 12.5   .7  11  33.3 48102

FSC  DEQ 75  ALL 14   2.49   5.92 14.26 18.25 535.0  37.5 3.10 1.46           15.7  1.2
         76  ALL
         77  ALL

           TOTAL 14   2.49   5.92 14.26 18.25 535.0  37.5 3.10 1.46           15.7  1.2

FSC  HTS 75  ALL 33   1.89   3.86 17.53 16.84 514.2  32.9 2.57  .88           16.2  1.0
         76  ALL
         77  ALL

           TOTAL 33   1.89   3.86 17.53 16.84 514.2  32.9 2.57  .88           16.2  1.0


                    -----------HIGH------------ ------------LOW------------- -----------IDLE-----------
                    ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 14 1096 2610   .1  .4 1188  474 1098 2620   .2  .6 1439  842 1890 2575 1.5 1.8  123  49
         76  ALL
         77  ALL

           TOTAL 14 1098 2610   .1  .4 1188  474 1098 2620   .2  .6 1439  842 1890 2575 1.5 1.8  123  49

F3M  H-L 75  ALL 33  704 1747   .0  .2 1167  536  679 1691   .0  .2 1395  632 1771 2016 1.7 2.0  127  40
         76  ALL
         77  ALL

           TOTAL 33  704 1747   .0  .2 1167  536  679 1691   .0  .2 1395  632 1771 2016 1.7 2.0  127  40

F3M  D-G 75  ALL 14  151  395   .2  .4            192  515   .3  .7            242  510 1.6 1.7
         76  ALL
         77  ALL

           TOTAL 14  151  395   .2  .4            192  515   .3  .7            242  510 1.6 1.7

F3M  H-G 75  ALL 33  101  269   .1  .2            120  327   .1  .3            176  321 1.7 2.0
         76  ALL
         77  ALL

           TOTAL 33  101  269   .1  .2            120  327   .1  .3            176  321 1.7 2.0


                    -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                    MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 33  139 269  109 265  173 298 1.9 1.9   .5  .8 1.8 1.8  820 130  851 201
         76  ALL
         77  ALL

           TOTAL 33  139 269  109 265  173 298 1.9 1.9   .5  .8 1.8 1.8  820 130  851 201

IDLE HTS 75  ALL 33  140 254  107 235  140 272 1.0 1.3   .2  .7 1.4 1.8  761 120  789  99   93  25 210 100 101  18
         76  ALL
         77  ALL

           TOTAL 33  140 254  107 235  140 272 1.0 1.3   .2  .7 1.4 1.8  761 120  789  99   93  25 210 100 101  18
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=18    MODEL YR(S)=1976

   MAKE=DODGE PLY            MODEL=DART ASPEN VALIANT VOLARE

                      ----HC----   ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD  MEAN
                QTY    MEAN     SD  MEAN    SD  MEAN     SD MEAN   SD MEAN   SD MEAN    SD  QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS 10    1.93   1.73 26.37 30.78 632.1   80.3 1.94 1.04 1.83 1.00 13.1   1.1    4  40.0 25888
         77 PASS
         75 FAIL
         76 FAIL 26    3.59   1.35 47.27 25.12 554.4   46.8 2.46 1.20 2.29 1.14 13.9   1.0    1   3.8 29128
         77 FAIL

       ALL PASS 10     1.93   1.73 26.37 30.78 632.1   80.3 1.94 1.04 1.83 1.00 13.1   1.1    4  40.0 25888
       ALL FAIL 26     3.59   1.35 47.27 25.12 554.4   46.8 2.46 1.20 2.29 1.14 13.9   1.0    1   3.8 29128

         75  ALL
         76  ALL 36    3.12   1.62 41.47 28.01 576.0   66.8 2.32 1.17 2.16 1.11 13.7   1.1    5  13.8 28228
         77  ALL

           TOTAL 36    3.12   1.62 41.47 28.01 576.0   66.8 2.32 1.17 2.16 1.11 13.7   1.1    5  13.8 28228

FSC  DEQ 75  ALL
         76  ALL 15    2.62   1.44 32.49 30.19 474.2   63.5 1.70 1.04           16.7   1.3
         77  ALL

           TOTAL 15    2.62   1.44 32.49 30.19 474.2   63.5 1.70 1.04           16.7   1.3

FSC  HTS 75  ALL
         76  ALL 36    2.73   1.35 31.97 22.34 462.6   55.3 1.66  .99           17.1   1.7
         77  ALL

           TOTAL 36    2.73   1.35 31.97 22.34 462.6   55.3 1.66  .99           17.1   1.7

                   ------------HIGH------------- ------------LOW------------- -----------IDLE------------
                   ----HC-----___CO---___NOX---- ----HC--------CO------NOX--- ----HC-------CO-----NOX---
                QTY  MEAN   SD MEAN  SD MEAN   SD MEAN   SD MEAN  SD MEAN   SD MEAN   SD MEAN  SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 15  1314  984  .8 1.2  757  418 1264  869  .3  .5  907  635 2979 1916 2.5 2.0  102  43
         77  ALL

           TOTAL 15  1314  984  .8 1.2  757  418 1264  869  .3  .5  907  635 2979 1916 2.5 2.0  102  43

F3M  H-L 75  ALL
         76  ALL 36  1534 1264 1.0 1.7  851  579 1437 1085  .4  .6  709  464 3179 2150 2.4 2.1  178 336
         77  ALL

           TOTAL 36  1534 1264 1.0 1.7  851  579 1437 1085  .4  .6  709  464 3179 2150 2.4 2.1  178 336

F3M  D-G 75  ALL
         76  ALL 15    93   49  .8 1.0            102   52  .3  .5            216  127 2.4 1.9
         77  ALL

           TOTAL 15    93   49  .8 1.0            102   52  .3  .5            216  127 2.4 1.9

F3M  H-G 75  ALL
         76  ALL 36   114   85 1.1 1.7            125   80  .4  .6            235  167 2.5 2.1
         77  ALL

           TOTAL 36   114   85 1.1 1.7            125   80  .4  .6            235  167 2.5 2.1

                   -------------HC--------------- -----------CO----------- --------RPM-------- ------------NOX------------
                QTY --1ST----- --2500---- --2ND----- --1ST----2500----2ND--- --1ST------2ND----- --1ST-----2500-----2ND----
                      MEAN  SD  MEAN  SD  MEAN  SD MEAN  SD MEAN  SD MEAN  SD  MEAN  SD  MEAN  SD MEAN   SD MEAN   SD MEAN   SD

IDLE DEQ 75  ALL
         76  ALL 36    240 162   238 197   268 169 2.7 2.0  .8 1.1 2.4 2.0  820 136   824 139
         77  ALL

           TOTAL 36    240 162   238 197   268 169 2.7 2.0  .8 1.1 2.4 2.0  820 136   824 139

IDLE HTS 75  ALL
         76  ALL 36    285 192   201 204   242 154 1.8 1.7  .6  .7 1.8 1.9  798 138   827 144 100   28 193   97 107   29
         77  ALL

           TOTAL 36    285 192   201 204   242 154 1.8 1.7  .6  .7 1.8 1.9  798 138   827 144 100   28 193   97 107   29
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=19    MODEL YR(S)=1977

   MAKE=CHRYS DODGE PLY       MODEL=CORDOBA CORONET ASPEN VOLARE FURY

                   ----HC------ ----CO----- ---CO2----- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                QTY   MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD  QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 23   1.24   .65 24.07 17.70 619.9  39.1 1.81  .96 1.64  .90 13.4  1.0    6  26.0 17280
         75 FAIL
         76 FAIL
         77 FAIL 14   3.43  2.11 62.22 30.09 566.7  43.3 1.78  .77 1.62  .70 13.1   .7    0    .0 18633

        ALL PASS 23   1.24   .65 24.07 17.70 619.9  39.1 1.81  .96 1.64  .90 13.4  1.0    6  26.0 17280
        ALL FAIL 14   3.43  2.11 62.22 30.09 566.7  43.3 1.78  .77 1.62  .70 13.1   .7    0    .0 18633

         75  ALL
         76  ALL
         77  ALL 37   2.07  1.74 38.50 29.50 599.8  47.9 1.80  .88 1.63  .82 13.3   .9    6  16.2 17792

           TOTAL 37   2.07  1.74 38.50 29.50 599.8  47.9 1.80  .88 1.63  .82 13.3   .9    6  16.2 17792

FSC  DEW 75  ALL
         76  ALL
         77  ALL 20   2.48  2.07 47.17 44.61 456.8  50.8 2.13 1.19            16.5  1.4

           TOTAL 20   2.48  2.07 47.17 44.61 456.8  50.8 2.13 1.19            16.5  1.4

FSC  HTS 75  ALL
         76  ALL
         77  ALL 37   1.73  1.48 30.51 29.43 478.6  55.1 1.64  .86            16.8  1.6

           TOTAL 37   1.73  1.48 30.51 29.43 478.6  55.1 1.64  .86            16.8  1.6

                    -------------HIGH------------- -------------LOW-------------- -------------IDLE-------------
                    ---HC----- ---CO--- ---NOX---- ---HC----- ---CO--- ---NOX---- ---HC----- ---CO--- ---NOX----
                QTY  MEAN   SD MEAN  SD MEAN    SD  MEAN   SD MEAN  SD MEAN    SD  MEAN   SD MEAN  SD MEAN    SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 20  1604 1125  1.4 1.8 1110   795  1740 1489  1.5 1.8  988   656  2451 2362  2.2 2.4  115    62

           TOTAL 20  1604 1125  1.4 1.8 1110   795  1740 1489  1.5 1.8  988   656  2451 2362  2.2 2.4  115    62

F3M  H-L 75  ALL
         76  ALL
         77  ALL 37  1439 1252  1.1 1.4  919   708  1306 1194   .9 1.3  849   593  1983 2123  1.7 2.2  140    92

           TOTAL 37  1439 1252  1.1 1.4  919   708  1306 1194   .9 1.3  849   593  1983 2123  1.7 2.2  140    92

F3M  D-G 75  ALL
         76  ALL
         77  ALL 20   114   68  1.5 1.8              147  105  1.5 1.8               179  140  2.2 2.3

           TOTAL 20   114   68  1.5 1.8              147  105  1.5 1.8               179  140  2.2 2.3

F3M  H-G 75  ALL
         76  ALL
         77  ALL 37   111   95  1.2 1.4              119  104   .9 1.1               170  157  1.7 2.0

           TOTAL 37   111   95  1.2 1.4              119  104   .9 1.1               170  157  1.7 2.0

                    -------------HC-------------- -----------CO------------- ---------RPM--------- -----------NOX------------
                QTY  --1ST---- --2500--- --2ND---- --1ST--- -2500--- --2ND--- --1ST----- --2ND----- --1ST--- -2500--- --2ND---
                      MEAN  SD  MEAN  SD  MEAN  SD MEAN  SD MEAN  SD MEAN  SD   MEAN   SD   MEAN   SD MEAN  SD MEAN  SD MEAN  SD

IDLE DEW 75  ALL
         76  ALL
         77  ALL 37    105 118    58  42   116 118  1.6 2.1  1.2 1.7  1.4 2.0    798  121    798  121

           TOTAL 37    105 118    58  42   116 118  1.6 2.1  1.2 1.7  1.4 2.0    798  121    798  121

IDLE HTS 75  ALL
         76  ALL
         77  ALL 37    109 101    48  36   102  99  1.0 1.6   .8 1.5  1.1 1.7    733  104    767  109   80  30  207  92  109 138

           TOTAL 37    109 101    48  36   102  99  1.0 1.6   .8 1.5  1.1 1.7    733  104    767  109   80  30  207  92  109 138
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=20    MODEL YR(S)=1975,1976

   MAKE=CHRYS DODGE PLY       MODEL=CORDOBA CORONET FURY

                       ----HC----  ----CO----  ---CO2----  ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                   QTY MEAN    SD  MEAN    SD  MEAN    SD  MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS   6   1.61  1.33 27.44 21.78 689.1  62.9 2.44  .86 2.13  .74 12.0   .6   3  50.0 47382
         76 PASS   5   2.01  1.46 42.32 41.17 692.2  70.3 2.13  .73 1.88  .58 11.6   .5   2  40.0 27346
         77 PASS
         75 FAIL  14   2.87  1.21 63.10 37.16 660.8  55.8 2.49  .94 2.32  .96 11.6  1.0   0    .0 39964
         76 FAIL   9   2.03   .94 40.57 24.51 662.5  49.5 3.23  .70 2.94  .59 12.1   .6   2  22.2 31919
         77 FAIL

        ALL PASS  11   1.79  1.34 34.20 31.24 690.5  62.9 2.30  .78 2.02  .65 11.8   .6   5  45.4 38275
        ALL FAIL  23   2.54  1.16 54.29 34.07 661.5  52.3 2.78  .92 2.56  .87 11.8   .9   2   8.6 36816

         75  ALL  20   2.49  1.35 52.40 36.75 669.3  57.9 2.47  .90 2.26  .88 11.7   .9   3  15.0 42190
         76  ALL  14   2.02  1.09 41.20 29.87 673.1  56.9 2.84  .87 2.56  .77 11.9   .6   4  28.5 30286
         77  ALL

          TOTAL   34   2.30  1.25 47.79 34.07 670.8  56.7 2.62  .89 2.38  .84 11.8   .8   7  20.5 37268

FSC  DEQ 75  ALL  11   2.11  1.97 39.93 29.15 535.6  66.7 3.06 1.36           14.7   .8
         76  ALL   6   2.23   .92 53.39 38.25 503.7  46.9 3.28 1.39           14.9   .8
         77  ALL

          TOTAL   17   2.15  1.64 44.68 32.13 524.3  60.9 3.13 1.33           14.7   .8

FSC  HTS 75  ALL  20   1.64  1.05 39.51 27.24 523.1  50.9 2.31  .90           15.0  1.2
         76  ALL  14   1.68  1.20 32.47 28.63 533.8  49.8 2.57  .97           15.0  1.0
         77  ALL

          TOTAL   34   1.78  1.10 36.61 27.61 527.5  50.0 2.42  .93           15.0  1.1

                     -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN  SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL  11   520  657  .2  .4 1936  555 1148  990  .8 1.2  994  488 2867 1840 4.4 2.8   73  27
         76  ALL   6   995 1183 1.4 2.9 1787  805 1284  771  .5  .7 1486  270 2237 1113 3.1 1.8   73  14
         77  ALL

          TOTAL   17   687  873  .6 1.7 1884  633 1196  896  .7 1.0 1168  480 2645 1612 4.0 2.5   73  23

F3M  H-L 75  ALL  20   491  456  .2  .3 1519  744  878  739  .4  .6  843  440 2971 2226 3.2 2.4   82  21
         76  ALL  14   827 1077 1.0 2.1 1254  611  952  945  .4  .5  958  445 1934 1874 2.1 2.7   89  27
         77  ALL

          TOTAL   34   630  778  .5 1.4 1410  695  909  817  .4  .6  890  439 2544 2123 2.8 2.6   85  23

F3M  D-G 75  ALL  11    61   63  .2  .4            112   92  .8 1.0            191  144 4.1 2.6
         76  ALL   6    85   80 1.5 2.9            109   48  .5  .6            150   55 3.3 1.7
         77  ALL

          TOTAL   17    70   68  .7 1.7            111   78  .7  .9            176  119 3.8 2.3

F3M  H-G 75  ALL  20    42   33  .2  .4             76   55  .4  .6            170   83 3.1 2.4
         76  ALL  14    78   83 1.1 2.3             95   97  .5  .5            147  140 2.1 2.7
         77  ALL

          TOTAL   34    57   60  .6 1.5             84   75  .4  .6            160  109 2.7 2.5

                   ------------HC------------ ---------CO----------- -------RPM------- ----------NOX---------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL  20   140 199   74  91  174 227  2.7 2.1  .4  .6 2.7 2.2  822 175  827 196
         76  ALL  14   110  85   72  89  142 102  2.0 2.1  .8  .9 2.1 2.2  796 116  807 120
         77  ALL

          TOTAL   34   127 161   73  89  161 184  2.4 2.1  .6  .7 2.4 2.2  811 152  819 167

IDLE HTS 75  ALL  20   184 200   81 191  170 231  3.3 2.6  .2  .5 2.7 2.4  763  93  775 115   85  16  273  94   94  12
         76  ALL  14   166 117   66  44  147  95  1.8 2.5  .6  .7 1.5 2.4  726 108  756 102   82  25  315 121   84  28
         77  ALL

          TOTAL   34   165 168   75 148  160 185  2.7 2.7  .4  .6 2.2 2.4  748  99  767 109   84  19  289 103   90  19
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=22    MODEL YR(S)=1975

   MAKE=FORD MERC              MODEL=PINTO MUSTANG II BOBCAT


                         ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD  MEAN
                     QTY MEAN     SD MEAN     SD MEAN     SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS 17    2.49   4.37 12.70   8.54 452.9   29.7 2.35 1.25 2.25 1.36 18.5   1.2    8  47.0 36150
         76 PASS
         77 PASS
         75 FAIL 15    1.98   2.09 23.14   9.89 430.6   33.4 2.30 1.13 1.98  .97 18.7   1.1    2  13.3 34336
         76 FAIL
         77 FAIL

        ALL PASS 17    2.49   4.37 12.70   8.54 452.9   29.7 2.35 1.25 2.25 1.36 18.5   1.2    8  47.0 36150
        ALL FAIL 15    1.98   2.09 23.14   9.89 430.6   33.4 2.30 1.13 1.98  .97 18.7   1.1    2  13.3 34336

         75  ALL 32    2.25   3.45 17.59 10.48 442.5   33.0 2.33 1.17 2.13 1.18 18.6   1.1   10  31.2 35300
         76  ALL
         77  ALL

           TOTAL 32    2.25   3.45 17.59 10.48 442.5   33.0 2.33 1.17 2.13 1.18 18.6   1.1   10  31.2 35300

FSC  DEQ 75  ALL 12    2.49   4.23 10.39   8.60 368.4   26.9 2.55 1.88           22.6   1.0
         76  ALL
         77  ALL

           TOTAL 12    2.49   4.23 10.39   8.60 368.4   26.9 2.55 1.68           22.6   1.0

FSC  HTS 75  ALL 32    1.90   2.86 11.73   8.82 358.2   38.6 1.74  .98           23.3   2.0
         76  ALL
         77  ALL

           TOTAL 32    1.90   2.86 11.73   8.82 358.2   36.6 1.74  .98           23.3   2.0


                     -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                     QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 12  1307 2755   .0   .0 1131  622 1713 2682   .2   .3  809  737 1780 2197 1.1 1.0   83  35
         76  ALL
         77  ALL

           TOTAL 12  1307 2755   .0   .0 1131  622 1713 2682   .2   .3  809  737 1780 2197 1.1 1.0   83  35

F3M  H-L 75  ALL 32  1224 2406   .1   .1  965  591 1444 1879   .3   .4  569  432 1741 2156 1.3 1.1   85  33
         76  ALL
         77  ALL

           TOTAL 32  1224 2406   .1   .1  965  591 1444 1879   .3   .4  569  432 1741 2156 1.3 1.1   85  33

F3M  D-G 75  ALL 12   179  454   .1   .0            194  394   .3   .4            169  251 1.2 1.0
         76  ALL
         77  ALL

           TOTAL 12   179  454   .1   .0            194  394   .3   .4            169  251 1.2 1.0

F3M  H-G 75  ALL 32   133  299   .1   .1            141  237   .3   .4            167  296 1.3 1.0
         76  ALL
         77  ALL

           TOTAL 32   133  299   .1   .1            141  237   .3   .4            167  296 1.3 1.0


                     -----------HC------------- ----------CO------------ -------RPM------- ----------NOX----------
                     QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 32    62  82   64  76  103 129  .8  .8  .3  .3  .7  .6  933 202  943 215
         76  ALL
         77  ALL

           TOTAL 32    62  82   64  76  103 129  .8  .8  .3  .3  .7  .8  933 202  943 215

IDLE HTS 75  ALL 32   145 254  108 215  149 277  .8 1.2  .2  .4  .8 1.2  924 180  955 194  47  15 114  56  49  19
         76  ALL
         77  ALL

           TOTAL 32   145 254  108 215  149 277  .8 1.2  .2  .4  .8 1.2  924 180  955 194  47  15 114  56  49  19
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=23    MODEL YR(S)=1975

   MAKE=FORD MERC              MODEL=PINTO MUSTANG II BOBCAT

                       ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                  QTY  MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 26    1.46  1.46 14.64  9.00 475.0  46.4 1.93  .66 1.75  .58 17.8  1.9  12  42.8 36335
         76 PASS
         77 PASS
         75 FAIL 13    1.63   .49 21.05  7.77 449.3  41.8 1.95  .31 1.77  .27 18.2  1.3   1   7.6 33765
         76 FAIL
         77 FAIL

        ALL PASS 26    1.46  1.46 14.64  9.00 475.0  46.4 1.93  .66 1.75  .58 17.8  1.9  12  42.8 36335
        ALL FAIL 13    1.63   .49 21.05  7.77 449.3  41.8 1.95  .31 1.77  .27 18.2  1.3   1   7.6 33765

         75  ALL 41    1.51  1.23 16.67  9.05 466.9  46.1 1.93  .57 1.76  .50 17.9  1.7  13  31.7 35520
         76  ALL
         77  ALL

           TOTAL 41    1.51  1.23 16.67  9.05 466.9  46.1 1.93  .57 1.76  .50 17.9  1.7  13  31.7 35520

FSC  DEQ 75  ALL 23    1.25  1.15 10.30  6.41 378.3  34.8 1.67  .59           22.4  2.4
         76  ALL
         77  ALL

           TOTAL 23    1.25  1.15 10.30  6.41 378.3  34.8 1.67  .59           22.4  2.4

FSC  HTS 75  ALL 41    1.02   .68 11.57  7.04 372.6  35.4 1.40  .44           22.6  2.1
         76  ALL
         77  ALL

           TOTAL 41    1.02   .68 11.57  7.04 372.6  35.4 1.40  .44           22.6  2.1

                     -----------HIGH------------ -----------LOW------------- -----------IDLE----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 23   666  759   .1  .1  896  355  914 1285   .3  .2  557  363 1182 1852   .6  .6   62  13
         76  ALL
         77  ALL

           TOTAL 23   666  759   .1  .1  896  355  914 1285   .3  .2  557  363 1182 1852   .6  .6   62  13

F3M  H-L 75  ALL 41   641  663   .0  .0  816  309  981 1321   .4  .4  422  242 1240 1870   .8  .9   66  20
         76  ALL
         77  ALL

           TOTAL 41   641  663   .0  .0  816  309  981 1321   .4  .4  422  242 1240 1870   .8  .9   66  20

F3M  D-G 75  ALL 23    60   75   .1  .1              80  114   .4  .2             115  203   .7  .6
         76  ALL
         77  ALL

           TOTAL 23    60   75   .1  .1              80  114   .4  .2             115  203   .7  .6

F3M  H-G 75  ALL 41    74  100   .1  .0             103  143   .5  .5             117  154   .8  .9
         76  ALL
         77  ALL

           TOTAL 41    74  100   .1  .0             103  143   .5  .5             117  154   .8  .9

                     -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 41    103 159   73 111  105 122   .8  .9   .4 1.1   .7 1.0  913 243  928 274
         76  ALL
         77  ALL

           TOTAL 41    103 159   73 111  105 122   .8  .9   .4 1.1   .7 1.0  913 243  928 274

IDLE HTS 75  ALL 41    125 174   59 122  102 136   .6  .9   .2  .2   .6  .9  822 152  866 215   47 16   93 39   46 16
         76  ALL
         77  ALL

           TOTAL 41    125 174   59 122  102 136   .6  .9   .2  .2   .6  .9  822 152  886 215   47 16   93 39   46 16
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=24    MODEL YR(S)=1976

   MAKE=FORD MERC            MODEL=PINTO MUSTANG II BOBCAT

                    -----HC----- ----CO---- ----CO2--- ---NOX--- --NOXC--- ---MPG---- MEETS STD  MEAN
                QTY   MEAN     SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS 26    .74    .19  3.95  2.01 440.8  19.9 2.13  .86 1.94  .82 19.7    .9  25  89.2 26853
         77 PASS
         75 FAIL
         76 FAIL  4   1.31    .80 11.53 18.09 427.1  64.6 2.14  .50 1.85  .50 19.9   2.0   2  50.0 37035
         77 FAIL

        ALL PASS 26    .74    .19  3.95  2.01 440.8  19.9 2.13  .86 1.94  .82 19.7    .9  25  89.2 26853
        ALL FAIL  4   1.31    .80 11.53 18.09 427.1  64.6 2.14  .50 1.85  .50 19.9   2.0   2  50.0 37035

         75  ALL
         76  ALL 32    .81    .36  4.90  6.45 439.1  27.8 2.13  .82 1.93  .78 19.7   1.0  27  84.3 28126
         77  ALL

           TOTAL 32    .61    .36  4.90  6.45 439.1  27.8 2.13  .82 1.93  .78 19.7   1.0  27  84.3 28126

FSC  DEQ 75  ALL
         76  ALL 14    .61    .23   .94   .37 366.9  14.8 1.78 1.30            23.9    .9
         77  ALL

           TOTAL 14    .61    .23   .94   .37 366.9  14.8 1.76 1.30            23.9    .9

FSC  HTS 75  ALL
         76  ALL 32    .61    .39  1.58  4.18 348.2  23.7 1.37  .76            25.2   1.5
         77  ALL

           TOTAL 32    .61    .39  1.58  4.18 348.2  23.7 1.37  .76            25.2   1.5


                    -----------HIGH------------- ------------LOW------------- -----------IDLE----------
                    ---HC----- ---CO-- ---NOX---- ----HC---- ---CO-- ---NOX---- ----HC---- ---CO-- ---NOX--
                QTY MEAN    SD MEAN SD MEAN    SD MEAN    SD MEAN SD MEAN    SD MEAN    SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 14  456   212   .0 .0 1144   573  524   169   .0 .0  532   586  657  1031   .1 .4   66  22
         77  ALL

           TOTAL 14  456   212   .0 .0 1144   573  524   169   .0 .0  532   586  657  1031   .1 .4   66  22

F3M  H-L 75  ALL
         76  ALL 32  432   120   .0 .0 1028   480  575   348   .0 .3  415   292  606   875   .1 .8   70  32
         77  ALL

           TOTAL 32  432   120   .0 .0 1028   480  575   348   .0 .3  415   292  606   875   .1 .8   70  32

F3M  D-G 75  ALL
         76  ALL 14   48     9   .0 .0                68    13   .0 .0                61    55   .2 .5
         77  ALL

           TOTAL 14   48     9   .0 .0                68    13   .0 .0                61    55   .2 .5

F3M  H-G 75  ALL
         76  ALL 32   57    41   .0 .0                81    53   .0 .2                79    80   .2 .8
         77  ALL

           TOTAL 32   57    41   .0 .0                81    53   .0 .2                79    80   .2 .8


                    -----------HC------------- ---------CO------------ --------RPM-------- ----------NOX----------
                QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST---- --2ND---- --1ST-- -2500-- --2ND--
                    MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN    SD MEAN    SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 32   53  84   59  56   69  89   .2 .8   .1 .3   .1 .7  915  195  924  191
         77  ALL

           TOTAL 32   53  84   59  56   69  89   .2 .8   .1 .3   .1 .7  915  195  924  191

IDLE HTS 75  ALL
         76  ALL 32   95 225   73  79   60 125   .0 .3   .0 .2   .0 .3  873  179  934  186   49 18  128 54   55 29
         77  ALL

           TOTAL 32   95 225   73  79   60 125   .0 .3   .0 .2   .0 .3  873  179  934  186   49 18  128 54   55 29
```

```
                              APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=25    MODEL YR(S)=1976

   MAKE=FORD MERC                  MODEL=PINTO MUSTANG II BOBCAT

                           ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                      QTY MEAN    SD  MEAN    SD  MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS 33   1.04   .44  5.49  3.14 426.1  35.5 2.21  .78 2.03  .70 20.3  1.5  27  81.8 27797
         77 PASS
         75 FAIL
         76 FAIL  4   3.42  3.09 30.33 30.87 377.3  43.1 3.78  .45 3.32  .40 20.3  1.0   0    .0 30015
         77 FAIL

        ALL PASS 33   1.04   .44  5.49  3.14 426.1  35.5 2.21  .78 2.03  .70 20.3  1.5  27  81.8 27797
        ALL FAIL  4   3.42  3.09 30.33 30.87 377.3  43.1 3.78  .45 3.32  .40 20.3  1.0   0    .0 30015

         75  ALL
         76  ALL 37   1.30  1.24  8.18 12.22 420.8  38.9 2.38  .89 2.17  .78 20.3  1.5  27  72.9 28037
         77  ALL

           TOTAL 37   1.30  1.24  8.18 12.22 420.8  38.9 2.38  .89 2.17  .78 20.3  1.5  27  72.9 28037

FSC  DEQ 75  ALL
         76  ALL 23    .61   .21  1.90  1.95 344.8  32.6 2.31 1.09           25.5  2.3
         77  ALL

           TOTAL 23    .61   .21  1.90  1.95 344.8  32.6 2.31 1.09           25.5  2.3

FSC  HTS 75  ALL
         76  ALL 37    .80  1.04  4.85  9.88 332.2  33.9 1.88  .90           26.0  2.0
         77  ALL

           TOTAL 37    .80  1.04  4.85  9.88 332.2  33.9 1.88  .90           26.0  2.0

                      ------------HIGH------------ ------------LOW------------- -----------IDLE-----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 23   447  201  .0  .0 1432  614  406  195  .0  .0  737  473  373  417  .0  .0   63  21
         77  ALL

           TOTAL 23   447  201  .0  .0 1432  614  406  195  .0  .0  737  473  373  417  .0  .0   63  21

F3M  H-L 75  ALL
         76  ALL 37   486  240  .0  .0 1371  677  574  659  .1  .4  636  436  900 2198  .3 1.4   62  21
         77  ALL

           TOTAL 37   486  240  .0  .0 1371  677  574  659  .1  .4  636  436  900 2198  .3 1.4   62  21

F3M  D-G 75  ALL
         76  ALL 23    49   14  .0  .0             53   18  .0  .0              44   28  .0  .0
         77  ALL

           TOTAL 23    49   14  .0  .0             53   18  .0  .0              44   28  .0  .0

F3M  H-G 75  ALL
         76  ALL 37    74   64  .1  .3             85   67  .2  .4              99  149  .4 1.4
         77  ALL

           TOTAL 37    74   64  .1  .3             85   67  .2  .4              99  149  .4 1.4

                      ------------HC------------- ----------CO----------- -------RPM------- -----------NOX-----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 37     62 108   57  72   87 173  .2 1.1  .2  .8  .2  .9  864 149  867 155
         77  ALL

           TOTAL 37     62 108   57  72   87 173  .2 1.1  .2  .8  .2  .9  864 149  867 155

IDLE HTS 75  ALL
         76  ALL 37     77 118   37  51   68 139  .3 1.4  .1  .6  .3 1.5  826 119  881 134  48  18 158  65  53  19
         77  ALL

           TOTAL 37     77 118   37  51   68 139  .3 1.4  .1  .6  .3 1.5  826 119  881 134  48  18 158  65  53  19
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=26    MODEL YR(S)=1977

   MAKE=FORD MERC             MODEL=PINTO MUSTANG II BOBCAT


                       ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD   MEAN
                   QTY MEAN     SD MEAN     SD MEAN     SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT   ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 11     .91   1.17 17.71 33.42 425.2   45.9 1.58   .39 1.48   .34 19.6   1.9   8  72.7 13673
         75 FAIL
         76 FAIL
         77 FAIL 23    1.73    .62 36.34 12.04 372.5   41.2 1.80   .78 1.63   .67 20.4   1.2   2   8.6 17991

        ALL PASS 11     .91   1.17 17.71 33.42 425.2   45.9 1.58   .39 1.48   .34 19.6   1.9   8  72.7 13673
        ALL FAIL 23    1.73    .62 36.34 12.04 372.5   41.2 1.80   .78 1.63   .67 20.4   1.2   2   8.6 17991

         75  ALL
         76  ALL
         77  ALL 34    1.47    .91 30.32 22.66 389.5   49.0 1.73   .68 1.58   .58 20.2   1.5  10  29.4 16594

           TOTAL 34    1.47    .91 30.32 22.66 389.5   49.0 1.73   .68 1.58   .58 20.2   1.5  10  29.4 16594

FSC  DEW 75  ALL
         76  ALL
         77  ALL 16     .94    .46 15.60 10.40 327.0   25.2 1.48   .64              25.0   1.1

           TOTAL 16     .94    .46 15.60 10.40 327.0   25.2 1.48   .64              25.0   1.1

FSC  HTS 75  ALL
         76  ALL
         77  ALL 34    1.33    .84 22.47 16.33 313.0   40.1 1.19   .62              25.2   1.6

           TOTAL 34    1.33    .84 22.47 16.33 313.0   40.1 1.19   .62              25.2   1.6


                     -----------HIGH----------- -----------LOW------------- -----------IDLE----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 16   277  174  .0  .0 1293  413  931  975  .7  .8  430  567 1447 1340 1.9 2.4  119  78

           TOTAL 16   277  174  .0  .0 1293  413  931  975  .7  .8  430  567 1447 1340 1.9 2.4  119  78

F3M  H-L 75  ALL
         76  ALL
         77  ALL 34   432  434  .0  .2 1160  513 1460 1127  .9  .8  398  385 2287 2245 2.5 2.9  100  68

           TOTAL 34   432  434  .0  .2 1160  513 1460 1127  .9  .8  398  385 2287 2245 2.5 2.9  100  68

F3M  D-U 75  ALL
         76  ALL
         77  ALL 16    43   12  .1  .0             96   75  .7  .9            117   89 1.9 2.2

           TOTAL 16    43   12  .1  .0             96   75  .7  .9            117   89 1.9 2.2

F3M  H-U 75  ALL
         76  ALL
         77  ALL 34    62   50  .1  .2            136   72  .9  .7            175  124 2.5 2.7

           TOTAL 34    62   50  .1  .2            136   72  .9  .7            175  124 2.5 2.7


                     -----------HC------------ ---------CO------------ -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEW 75  ALL
         76  ALL
         77  ALL 34   150 153  123  66  177 157 2.8 3.0 1.1 1.3 2.6 2.7  950 161  957 156

           TOTAL 34   150 153  123  66  177 157 2.8 3.0 1.1 1.3 2.6 2.7  950 161  957 156

IDLE HTS 75  ALL
         76  ALL
         77  ALL 34   160 175  145  90  130 112 1.6 2.2  .7  .9 1.6 2.3  927 154  971 137  68  26 166 103  72  31

           TOTAL 34   180 175  145  90  130 112 1.6 2.2  .7  .9 1.6 2.3  927 154  971 137  68  26 166 103  72  31
```

```
                                      APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=27    MODEL YR(S)=1977

   MAKE=FORD MERC              MODEL=PINTO MUSTANG II BOBCAT


                     ----HC----   ----CO----   ---CO2----   ---NOX--- ---NOXC--- ---MPG---- MEETS STD  MEAN
                QTY  MEAN     SD  MEAN    SD  MEAN    SD MEAN   SD MEAN    SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 30    .97   .32  6.34  6.73 416.3  36.3 1.70  .62 1.54   .57 20.8   1.9  22  73.3 19757
         75 FAIL
         76 FAIL
         77 FAIL  7   3.06  2.10 29.16 25.31 387.6  44.2 1.84 1.00 1.63   .88 20.1   1.4   3  42.8 15578

        ALL PASS 30    .97   .32  6.34  6.73 416.3  36.3 1.70  .62 1.54   .57 20.8   1.9  22  73.3 19757
        ALL FAIL  7   3.06  2.10 29.16 25.31 387.6  44.2 1.84 1.00 1.63   .88 20.1   1.4   3  42.8 15578

         75  ALL
         76  ALL
         77  ALL 37   1.36  1.22 10.66 15.01 410.9  39.0 1.73  .69 1.56   .63 20.6   1.8  25  67.5 18967

           TOTAL 37   1.36  1.22 10.66 15.01 410.9  39.0 1.73  .69 1.56   .63 20.6   1.8  25  67.5 18967

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 15    .60  1.01  4.43 13.44 328.1  34.6 1.41  .69            26.5   2.6

           TOTAL 15    .60  1.01  4.43 13.44 328.1  34.6 1.41  .69            26.5   2.6

FSC  HTS 75  ALL
         76  ALL
         77  ALL 37    .77  1.17  5.67 11.35 329.1  35.0 1.26  .67            26.3   2.7

           TOTAL 37    .77  1.17  5.67 11.35 329.1  35.0 1.26  .67            26.3   2.7


                    -----------HIGH-------------- -----------LOW--------------- -----------IDLE--------------
                    ----HC---- --CO---- ---NOX--- ----HC---- --CO---- ---NOX--- ----HC---- --CO---- ---NOX---
                QTY  MEAN   SD MEAN  SD MEAN   SD  MEAN   SD MEAN  SD MEAN   SD  MEAN   SD MEAN  SD MEAN   SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 15   326  179   .0  .0 1014  447   319  273   .1  .6  508  328   873 1787   .3 1.2   61   25

           TOTAL 15   326  179   .0  .0 1014  447   319  273   .1  .6  508  328   873 1787   .3 1.2   61   25

F3M  H-L 75  ALL
         76  ALL
         77  ALL 37   405  382   .0  .2  981  463   495  898   .1  .5  502  333  1163 2416   .5 1.7   70   53

           TOTAL 37   405  382   .0  .2  981  463   495  898   .1  .5  502  333  1163 2416   .5 1.7   70   53

F3M  D-G 75  ALL
         76  ALL
         77  ALL 15    45   15   .0  .0              46   21   .2  .7              92  187   .3 1.2

           TOTAL 15    45   15   .0  .0              46   21   .2  .7              92  187   .3 1.2

F3M  H-G 75  ALL
         76  ALL
         77  ALL 37    57   38   .0  .2              84  130   .1  .6             129  227   .5 1.6

           TOTAL 37    57   38   .0  .2              84  130   .1  .6             129  227   .5 1.6


                    -----------HC---------------- ----------CO-------------- -------RPM---------- ----------NOX-------------
                QTY --1ST---- --2500--- --2ND---- --1ST--- -2500--- --2ND--- --1ST---- --2ND---- --1ST--- -2500--- --2ND---
                      MEAN  SD  MEAN  SD  MEAN  SD MEAN  SD MEAN  SD MEAN  SD  MEAN  SD  MEAN  SD MEAN  SD MEAN  SD MEAN  SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 37   100 174    58  90   117 239   .4 1.6   .3 1.1   .4 1.5   873 217   872 216

           TOTAL 37   100 174    58  90   117 239   .4 1.6   .3 1.1   .4 1.5   873 217   872 216

IDLE HTS 75  ALL
         76  ALL
         77  ALL 37   141 298    40  50   132 254   .3 1.1   .2  .8   .2 1.2   851 165   895 163   49  17  125  60   55  25

           TOTAL 37   141 298    40  50   132 254   .3 1.1   .2  .8   .2 1.2   851 165   895 163   49  17  125  60   55  25
```

APPENDIX E - COMPOSITE OF TEST RESULTS

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```
CELL NO=28    MODEL YR(S)=1975,1976

   MAKE=FORD                    MODEL=PINTO MUSTANG II

                            ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD   MEAN
                       QTY  MEAN     SD  MEAN    SD  MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT    ODOM

FTP  HTS 75 PASS 19    1.15     .52   8.52  3.19 554.4   50.4 3.63 1.01 3.30  .89 15.6  1.3   3  15.7 31990
         76 PASS 13    1.29     .40  12.66  8.52 521.1   28.7 3.06 1.21 2.87 1.19 16.3   .8   5  38.4 20877
         77 PASS
         75 FAIL  3    3.25    1.67  57.92 40.94 545.5   87.8 3.28 1.00 2.91 1.06 13.8  1.9   0    .0 47361
         76 FAIL  4    1.83    1.98   9.23  4.25 527.6   46.9 3.19 1.16 2.81  .98 16.2  1.2   2  50.0 24634
         77 FAIL

        ALL PASS 32    1.21     .47  10.20  6.18 540.9   45.5 3.40 1.11 3.13 1.03 15.9  1.2   8  25.0 27475
        ALL FAIL  7    2.44    1.86  30.09 35.28 535.2   61.3 3.23 1.00 2.85  .92 15.2  1.9   2  28.5 34374

         75  ALL 22    1.44    1.02  15.26 21.66 553.2   54.0 3.58  .99 3.25  .90 15.4  1.5   3  13.6 34086
         76  ALL 17    1.41     .95  11.85  7.75 522.6   32.2 3.09 1.16 2.86 1.11 16.3   .9   7  41.1 21761
         77  ALL

          TOTAL 39     1.43     .98  13.77 16.96 539.9   47.8 3.37 1.08 3.08 1.00 15.7  1.3  10  25.6 28714

FSC  DEQ 75  ALL 16     .87     .96  10.63 21.19 491.4   73.3 2.90 1.34           17.7  2.5
         76  ALL 13     .94     .36   8.27  8.71 432.2   29.5 2.72 1.32           19.8  1.4
         77  ALL

          TOTAL 29      .91     .74   9.57 16.57 464.9   64.4 2.82 1.31           18.7  2.3

     HTS 75  ALL 22    1.07    1.25  13.01 32.96 451.9   61.1 2.53  .89           19.0  2.5
         76  ALL 17    1.01     .42  10.15 10.27 412.5   23.8 2.29  .94           20.6  1.2
         77  ALL

          TOTAL 39     1.04     .97  11.76 25.44 434.7   51.9 2.42  .91           19.7  2.2

                        ------------HIGH------------ -----------LOW------------- -----------IDLE-----------
                        ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                    QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 16     596   550   .2  .4 1409  516  576  771   .1  .4  930  499  960 1961  .3 1.0  117  41
         76  ALL 13     604   109   .1  .0  886  594  542  121   .0  .0  935  407  347  179  .0  .2   94  45
         77  ALL

          TOTAL 29      600   417   .1  .3 1175  603  561  570   .1  .3  932  452  685 1473  .2  .7  106  43

F3M  H-L 75  ALL 22     731   886   .3  .7 1365  466  735 1162   .2  .8  823  391  867 1686  .4 1.6  111  43
         76  ALL 17     649   121   .1  .0  982  567  547  163   .0  .0  925  337  910 1761  .7 2.2  116  37
         77  ALL

          TOTAL 39      695   664   .2  .5 1198  541  652  875   .1  .6  868  367  885 1696  .5 1.9  113  40

F3M  D-G 75  ALL 16      51    29   .2  .4             62   43   .2  .5             70   70  .5 1.2
         76  ALL 13      59    15   .1  .0             65   18   .1  .0             48   21  .1  .1
         77  ALL

          TOTAL 29       55    23   .2  .3             63   33   .1  .3             60   54  .3  .9

F3M  H-G 75  ALL 22      82    63   .3  .7             94   81   .3  .7            102  102  .4 1.5
         76  ALL 17     101    70   .1  .0            113   77   .0  .0            123  121  .7 2.2
         77  ALL

          TOTAL 39       90    66   .2  .5            102   79   .2  .5            111  109  .6 1.8

                        ------------HC------------ ---------CO----------- -------RPM------- ----------NOX----------
                    QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                        MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 22      51   57   40  37   54  51  .4 1.1  .2  .8  .2  .9  945 164  945 164
         76  ALL 17      61   82   63  27   78  68  .5 1.5  .1  .3  .0  .0  991 150  997 161
         77  ALL

          TOTAL 39       64   70   50  35   65  59  .4 1.3  .2  .6  .1  .7  965 157  968 162

IDLE HTS 75  ALL 22      86   69   38  33   67  61  .2  .6  .2  .6  .1  .8  905 111  935 132  67  31 195  62  86  22
         76  ALL 17     122  125   55  54   64  62  .3  .7  .1  .2  .0  .0  922 167  955 187  75  27 309 176  72  25
         77  ALL

          TOTAL 39      102   98   45  44   66  60  .2  .6  .1  .5  .1  .6  913 137  944 157  82  29 243 134  80  24
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=29    MODEL YR(S)=1975,1976

   MAKE=FORD MERC              MODEL=MAVERICK GRANADA COMET MONARCH

                     -----HC-------------CO---------CO2---------NOX--------NOXC---------MPG---     MEETS STD   MEAN
                QTY   MEAN     SD   MEAN     SD   MEAN     SD   MEAN     SD   MEAN     SD   MEAN     SD    QTY  PERCT   ODOM

FTP  HTS 75 PASS 12    .98    .57   9.83   9.23  576.3   33.6   3.38   1.48   3.09   1.29   14.9     .7      4   33.3  30035
         76 PASS 17   1.13    .31   4.06   2.71  563.2   26.8   2.09    .73   1.90    .63   15.5     .7     14   82.3  24398
         77 PASS
         75 FAIL  8   1.70    .66  33.13  13.63  570.0   38.4   3.78    .99   3.31    .85   14.1     .5      0     .0  36604
         76 FAIL  2   2.72   2.37  29.36  37.58  516.8  101.3   5.02    .97   4.32    .44   15.5     .9      0     .0  30042
         77 FAIL

        ALL PASS 29   1.07    .44   6.45   6.78  568.6   30.0   2.62   1.26   2.39   1.11   15.2     .8     18   62.0  26731
        ALL FAIL 10   1.90   1.07  32.37  17.43  559.3   52.9   4.02   1.07   3.51    .87   14.4     .8      0     .0  35291

         75  ALL 20   1.26    .69  19.15  15.96  573.7   34.8   3.54   1.29   3.18   1.11   14.6     .7      4   20.0  32663
         76  ALL 19   1.30    .80   6.73  12.19  558.3   37.7   2.40   1.17   2.16    .97   15.5     .7     14   73.6  24992
         77  ALL

           TOTAL 39   1.28    .74  13.10  15.41  566.2   36.6   2.98   1.35   2.68   1.15   15.0     .8     18   46.1  28926

FSC  DEQ 75  ALL 10    .82    .50   5.50   7.20  496.6   25.8   2.91   1.31                 17.5    1.1
         76  ALL 12   1.05    .50   3.29   4.32  472.6   38.8   1.61    .68                 18.5    1.4
         77  ALL

           TOTAL 22    .94    .50   4.30   5.77  483.5   35.0   2.20   1.19                 18.0    1.3

FSC  HTS 75  ALL 20    .91    .54  10.41  11.63  454.4   31.7   2.65    .93                 18.7    1.1
         76  ALL 19   1.02    .87   4.78   9.89  436.3   35.5   1.43    .85                 19.9    1.2
         77  ALL

           TOTAL 39    .96    .71   7.66  11.05  445.6   34.4   2.05   1.07                 19.3    1.3

                    -----------HIGH-------------------- -----------LOW--------------------- -----------IDLE--------------------
                    ----HC----- ----CO----- ----NOX---- ----HC----- ----CO----- ----NOX---- ----HC----- ----CO----- ----NOX----
                QTY  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD

F3M  D-L 75  ALL 10   304   258    .0    .0  1202   659   444   372    .0    .1   951   430   524   443    .5    .9   159   148
         76  ALL 12   331   130    .0    .0   591   385   399   153    .0    .0   296   230   406   232    .0    .0   171   115
         77  ALL

           TOTAL 22   319   194    .0    .0   869   601   419   269    .0    .0   594   467   460   340    .2    .6   166   128

F3M  H-L 75  ALL 20   389   303    .0    .0  1002   515   765   682    .3    .6   953   356  1139  1151   1.3   1.5   150    97
         76  ALL 19   453   338    .0    .0   618   438   615   727    .1    .4   362   402   865  1688    .3   1.6   152    97
         77  ALL

           TOTAL 39   420   318    .0    .0   815   511   692   699    .2    .5   666   479  1006  1425    .8   1.6   151    95

F3M  D-G 75  ALL 10    35    14    .1    .0                50    22    .1    .0                59    24    .6    .8
         76  ALL 12    42    13    .0    .0                62    21    .0    .0                59    26    .0    .0
         77  ALL

           TOTAL 22    39    13    .0    .0                56    22    .0    .0                59    25    .3    .6

F3M  H-G 75  ALL 20    51    41    .1    .0                82    56    .3    .6               112    94   1.3   1.4
         76  ALL 19    66    66    .0    .0                91    85    .1    .4               100   131    .4   1.7
         77  ALL

           TOTAL 39    58    55    .0    .0                87    71    .2    .5               106   112    .9   1.6

                    ------------HC--------------- ------------CO--------------- -------RPM---------- ------------NOX--------------
                QTY  --1ST----  --2500---  --2ND----  --1ST----  --2500---  --2ND----  --1ST----  --2ND----  --1ST----  --2500---  --2ND----
                     MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD

IDLE DEQ 75  ALL 20   57   40   44   28   69   45   .8  1.0   .2   .3   .7  1.0  854  160  852  157
         76  ALL 19  156  171  113   83  151  204  1.3  2.3   .2   .7   .7  2.2  826  130  831  136
         77  ALL

           TOTAL 39  105  131   77   69  109  150  1.0  1.8   .2   .5   .7  1.7  839  144  841  145

IDLE HTS 75  ALL 20   65   60   35   26   57   38   .9  1.4   .1   .2   .5   .8  798  166  845  150   90   43  264  181  101   45
         76  ALL 19  158  191   88   41  130  199  1.0  2.1   .3  1.0   .7  2.1  829  106  856  117   81   39  169  182   64   34
         77  ALL

           TOTAL 39  120  143   61   43   93  144   .9  1.8   .2   .7   .6  1.5  813  139  850  134   86   40  216  184   83   43
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                             APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=30    MODEL YR(S)=1975,1976

   MAKE=FORD MERC             MODEL=MAVERICK GRANADA COMET MONARCH

                       ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                 QTY  MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 13   1.76   1.33  8.93  9.52 643.5  25.4 3.22 1.37 2.97 1.30 13.4   .7   3  23.0 33445
         76 PASS 16   1.38    .26  4.97  2.23 596.4  38.6 3.90 1.34 3.50 1.28 14.6   .9   5  31.2 27444
         77 PASS
         75 FAIL  3   3.43    .62 53.59 26.39 623.7  61.6 2.34 1.34 2.24 1.23 12.4  1.4   0    .0 55696
         76 FAIL  3   4.70   4.28 49.20 40.00 558.9  45.3 2.89  .74 2.62  .76 13.7  1.2   0    .0 21146
         77 FAIL

        ALL PASS 29   1.55    .91  6.74  6.75 617.5  40.6 3.60 1.38 3.26 1.29 14.0  1.0   8  27.5 30134
        ALL FAIL  6   4.06   2.82 51.39 30.40 591.3  60.0 2.61 1.01 2.43  .94 13.0  1.3   0    .0 38421

         75  ALL 16   2.07   1.38 17.30 22.12 639.8  32.9 3.05 1.37 2.83 1.28 13.2   .9   3  18.7 37617
         76  ALL 19   1.90   1.90 11.95 21.36 590.5  40.9 3.74 1.30 3.36 1.24 14.4  1.0   5  26.3 26450
         77  ALL

           TOTAL 35   1.98   1.67 14.40 21.56 613.0  44.5 3.43 1.36 3.12 1.27 13.9  1.1   8  22.8 31555

FSC  DEG 75  ALL 11   1.73   1.53 23.90 46.52 514.2  44.1 2.59 1.44           16.0  1.5
         76  ALL 11   1.80   2.28 11.24 20.87 476.1  25.1 3.18 1.04           17.8  1.4
         77  ALL

           TOTAL 22   1.77   1.89 17.57 37.02 495.1  40.1 2.89 1.26           16.9  1.7

FSC  HTS 75  ALL 16   1.46    .90 12.31 23.93 520.8  29.5 2.26 1.20           16.3  1.2
         76  ALL 19   1.49   1.02  7.72 15.71 474.0  36.7 2.75  .95           18.1  1.4
         77  ALL

           TOTAL 35   1.48    .95  9.82 19.72 495.4  40.7 2.53 1.08           17.3  1.6


                     -----------HIGH------------ -----------LOW-------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN    SD MEAN   SD MEAN SD MEAN    SD MEAN    SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 11  707   586  .3  .6 1007  628   799  812  .2 .5  711  459 2473 3746 1.8 3.3   90  37
         76  ALL 11  632   501  .0  .0 1057  613   582  392  .0 .0  773  397 1557 2855 2.0 3.7  221 235
         77  ALL

           TOTAL 22  670   533  .1  .4 1032  606   690  632  .1 .4  742  420 2015 3284 1.9 3.4  156 177

F3M  H-L 75  ALL 16  674   538  .1  .2  917  598   803  724  .2 .5  612  393 2078 3125 1.5 2.6   87  38
         76  ALL 19  661   254  .0  .0 1103  577   602  204  .0 .0  690  329 1765 3107 1.5 3.5  189 183
         77  ALL

           TOTAL 35  667   402  .0  .1 1018  586   694  513  .1 .4  654  356 1908 3073 1.5 3.1  142 145

F3M  D-G 75  ALL 11   58    42  .3  .6               78   65  .2 .6            281  519 1.8 3.3
         76  ALL 11   70    52  .0  .0               73   44  .0 .0            291  575 2.1 3.5
         77  ALL

           TOTAL 22   64    46  .2  .4               76   54  .1 .4            286  535 2.0 3.3

F3M  H-G 75  ALL 16   61    40  .1  .3               80   57  .2 .6            164  212 1.6 2.7
         76  ALL 19   64    58  .0  .0              104   82  .0 .0            227  385 1.0 2.8
         77  ALL

           TOTAL 35   73    51  .1  .2               93   71  .1 .4            198  315 1.3 2.7


                     -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEG 75  ALL 16   91 128   85 113  115 139 1.0 2.2  .1  .3  .8 1.8  762 145  775 152
         76  ALL 19  214 444  151 144  141 106 1.3 3.1  .3 1.2  .6 1.8  824 187  834 181
         77  ALL

           TOTAL 35  158 339  121 133  129 121 1.1 2.7  .2  .9  .7 1.7  796 170  807 169

IDLE HTS 75  ALL 16   93  89   41  36   77  64  .7 1.7  .1  .2  .3 1.0  751 130  788 136  66  19  208 99  68  21
         76  ALL 19  310 530  137 166  257 584 1.2 2.8  .0  .0  .9 2.8  854 185  893 169 110  54  198 82 107  53
         77  ALL

           TOTAL 35  211 405   93 132  175 436 1.0 2.4  .0  .2  .6 2.2  807 168  845 161  97  50  201 84  95  49
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=31    MODEL YR(S)=1975,1976

   MAKE=FORD MERC            MODEL=TORINO MONTEGO COUGAR


                          ----HC----   ----CO----   ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                      QTY MEAN     SD MEAN     SD MEAN      SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 19   1.52    .67 14.39  6.00 742.4   61.5 2.97 1.07 2.73  .94 11.5   .9   8  42.1 54226
         76 PASS  9   1.20    .41 14.76 10.74 667.5   28.0 3.85 1.62 3.54 1.62 12.7   .5   4  44.4 23297
         77 PASS
         75 FAIL  5   5.57   4.25 41.57 27.48 718.1   96.9 3.48 1.58 3.09 1.28 11.1   .9   0    .0 63660
         76 FAIL  4   7.36   6.35 44.03 20.73 606.8   36.4 5.35 3.30 4.71 2.46 12.7  1.1   0    .0 50749
         77 FAIL

        ALL PASS 28   1.41    .61 14.51  7.63 718.3   63.4 3.25 1.31 2.99 1.23 11.9   .9  12  42.8 44284
        ALL FAIL  9   6.37   5.00 42.66 23.25 668.6   92.9 4.31 2.51 3.81 1.95 11.8  1.2   0    .0 57922

         75  ALL 24   2.36   2.51 20.05 16.93 737.3   68.5 3.07 1.17 2.81 1.00 11.5   .9   8  33.3 56191
         76  ALL 13   3.09   4.35 23.77 19.54 648.8   41.2 4.31 2.23 3.90 1.89 12.7   .7   4  30.7 31744
         77  ALL

          TOTAL 37    2.62   3.23 21.36 17.71 706.2   73.5 3.51 1.70 3.19 1.45 11.9  1.0  12  32.4 47601

FSC  DEQ 75  ALL 16   1.63   1.18 15.19 12.71 637.8   58.7 2.11  .78           13.3  1.0
         76  ALL  9   2.06   1.67 21.00 16.49 537.8   45.5 3.79 1.25           15.4   .9
         77  ALL

          TOTAL 25    1.79   1.36 17.28 14.13 601.8   72.4 2.72 1.25           14.1  1.4

FSC  HTS 75  ALL 24   1.91   1.44 14.05 13.06 601.5   62.0 1.92  .73           14.2  1.3
         76  ALL 13   2.99   4.74 17.35 17.49 520.5   44.8 3.30 1.43           16.0  1.2
         77  ALL

          TOTAL 37    2.29   3.01 15.21 14.61 573.0   68.3 2.40 1.21           14.8  1.5


                      ------------HIGH------------ ------------LOW-------------- -----------IDLE-----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 16    594  290  .2  .3 1065  530  778  580  .2  .2  443  180 2108 2616 1.6 2.1  100  42
         76  ALL  9    495  197  .1  .1 1372  852  631  298  .1  .1  870  377 2637 3648 2.2 2.8  158 137
         77  ALL

          TOTAL 25     558  261  .2  .2 1175  664  725  495  .2  .2  596  334 2298 2963 1.8 2.3  121  90

F3M  H-L 75  ALL 24    570  213  .1  .1 1002  578  723  526  .1  .1  449  190 1655 2201 1.2 2.1   99  32
         76  ALL 13    552  411  .0  .1 1245  819  680  577  .0  .1  808  503 3349 3901 3.1 3.7  130 101
         77  ALL

          TOTAL 37     564  292  .1  .1 1087  672  708  538  .1  .1  575  371 2250 2973 1.9 2.8  110  65

F3M  D-G 75  ALL 16     51   15  .3  .3             68   36  .3  .3             157  162 1.7 2.2
         76  ALL  9     47   13  .1  .1             61   22  .1  .1             185  228 2.0 2.6
         77  ALL

          TOTAL 25      49   14  .2  .2             65   31  .2  .2             167  184 1.8 2.3

F3M  H-G 75  ALL 24     59   30  .2  .1             75   51  .2  .1             132  113 1.3 2.1
         76  ALL 13     69   47  .0  .1             88   60  .1  .1             303  421 3.0 3.5
         77  ALL

          TOTAL 37      62   36  .1  .1             79   54  .1  .1             192  272 1.9 2.7


                      ------------HC------------- ----------CO------------ -------RPM------- -----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 24    178 285   96 153  156 183  .9 2.1  .2  .3  .8 1.7  825  87  826  81
         76  ALL 13    345 534  106 101  350 547 2.3 2.9  .1  .1 1.7 2.4  823 136  825 136
         77  ALL

          TOTAL 37     257 391   99 136  224 360 1.4 2.5  .1  .2 1.1 2.0  824 105  826 102

IDLE HTS 75  ALL 24    181 265   45  46  145 230  .9 1.7  .1  .2  .6 1.4  779 116  810 114  70  22 162  67  69  21
         76  ALL 13    452 666   82  86  343 577 2.1 3.0  .0  .0 1.4 2.4  815 116  869 135  85  29 271 251  84  33
         77  ALL

          TOTAL 37     276 458   58  64  215 392 1.3 2.3  .1  .2  .9 1.8  792 116  831 124  75  26 203 166  75  26
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=32    MODEL YR(S)=1975,1976

   MAKE=FORD                  MODEL=ELITE LTD


                     ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG--- MEETS STD  MEAN
                 QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS 14   1.62   .99 17.07 11.64 750.5  58.8 4.15 2.06 3.66 1.79 11.3    .7   3  21.4 45207
         76 PASS 20   1.30   .47 10.64  7.27 696.2  58.0 3.38 1.47 3.00 1.26 12.4    .8   8  40.0 29251
         77 PASS
         75 FAIL  1   5.50   .00114.39   .00 569.7    .0 7.07  .00 6.21  .00 11.6    .0   0    .0 80046
         76 FAIL  4   3.74  4.05 22.89 11.97 646.8  35.4 2.93 1.30 2.84 1.48 12.7    .4   1  25.0 30864
         77 FAIL

        ALL PASS 34   1.43   .73 13.29  9.70 718.5  63.5 3.70 1.75 3.27 1.51 12.0    .9  11  32.3 35822
        ALL FAIL  5   4.09  3.59 41.19 42.21 631.4  46.1 3.76 2.16 3.51 1.98 12.5    .6   1  20.0 40700

         75  ALL 15   1.68  1.38 23.56 27.52 738.4  73.4 4.34 2.12 3.83 1.85 11.4    .7   3  20.0 47530
         76  ALL 24   1.71  1.78 12.66  9.17 688.0  57.4 3.31 1.42 2.97 1.26 12.4    .8   9  37.5 29520
         77  ALL

           TOTAL 39   1.77  1.62 16.86 18.93 707.4  67.8 3.71 1.77 3.30 1.55 12.0    .9  12  30.7 36447

FSC  DEG 75  ALL  6   1.25   .36 15.43 13.51 613.9  45.2 4.28 3.39           13.8    .6
         76  ALL 12   1.26   .75 14.38 21.33 549.7  37.9 2.80 1.20           15.4    .7
         77  ALL

           TOTAL 18   1.25   .63 14.73 18.66 571.1  50.0 3.30 2.20           14.8   1.0

FSC  HTS 75  ALL 15   1.33   .92 15.50 22.38 603.1  65.8 3.22 1.83           14.1   1.0
         76  ALL 24   1.27   .58  7.79  8.43 537.2  37.9 3.00 1.91           16.1   1.0
         77  ALL

           TOTAL 39   1.30   .72 10.75 15.55 562.5  59.3 3.09 1.85           15.3   1.4


                 ------------HIGH------------ -----------LOW------------- -----------IDLE-----------
                 ---HC---- ---CO-- ---NOX---  ----HC--- ---CO-- ---NOX---  ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL  6   465  119  .1  .1 1568  836  488  113  .2  .3  872  818  971  710 1.0 1.0   85  35
         76  ALL 12   441  235  .0  .1 1076  677  433  210  .0  .1  725  434  967 1029  .9 1.7  123  66
         77  ALL

           TOTAL 18   449  200  .1  .1 1240  748  451  182  .1  .2  774  569  969  913  .9 1.5  110  60

F3M  H-L 75  ALL 15   439  243  .1  .1 1269  683  606  670  .3  .7  637  467 1247 1755 1.2 2.2  132 154
         76  ALL 24   523  334  .0  .1 1004  648  531  362  .0  .1  604  325 1157 1507  .4  .7  144 142
         77  ALL

           TOTAL 39   491  301  .1  .1 1106  666  560  496  .1  .5  616  380 1192 1585  .7 1.5  139 145

F3M  D-G 75  ALL  6    47    9  .2  .1             54   10  .3  .3             85   34 1.2 1.3
         76  ALL 12    50   16  .1  .1             57   13  .1  .1            110   80  .9 1.6
         77  ALL

           TOTAL 18    49   14  .1  .1             56   12  .2  .2            101   68 1.0 1.5

F3M  H-G 75  ALL 15    48   31  .1  .1             63   49  .4  .7             95   70 1.3 2.2
         76  ALL 24    56   50  .1  .3             70   61  .0  .1            124  164  .5  .8
         77  ALL

           TOTAL 39    53   44  .1  .2             67   56  .2  .5            113  135  .8 1.5


                     ------------HC------------- ----------CO----------- -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND---  --1ST-- -2500-- --2ND--  --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD  MEAN SD MEAN SD MEAN SD  MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEG 75  ALL 15    87  94   60  42  100  87    .9 2.1  .3  .8  .8 2.1  860 105  863 100
         76  ALL 24   131 111  103  98  134  96    .7 1.8  .1  .3  .3  .7  851 120  852 121
         77  ALL

           TOTAL 39   114 106   66  83  121  93    .8 1.9  .2  .5  .5 1.4  854 113  856 112

IDLE HTS 75  ALL 15   122  97   42  47  102  88    .8 1.7  .1  .2  .6 1.5  778 131  833  99   65  21  225 126  70  23
         76  ALL 24   211 193   87  80  124 102    .5 1.6  .0  .1  .2  .5  812 108  854 118   80  20  212 134  69  18
         77  ALL

           TOTAL 39   177 167   70  72  115  96    .6 1.6  .1  .1  .4 1.0  799 117  846 110   73  21  218 128  69  20
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=33    MODEL YR(S)=1975,1976

   MAKE=FORD MERC              MODEL=FORD ELITE MERC LTD

                          ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                      QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 20   1.62  1.66 14.02  5.11 876.6 100.8 3.10 1.06 2.91  .97  9.9  1.2   6  30.0 41818
         76 PASS 12   1.01   .54  8.78  7.30 776.9  79.2 2.63 2.25 2.44 1.81 11.2  1.0   7  58.3 26293
         77 PASS
         75 FAIL  4   4.05  5.07 20.61  8.24 833.1  80.3 4.10 1.34 3.87  .95 10.1   .7   0    .0 50853
         76 FAIL  2   1.46   .12  8.53  1.27 736.5   7.2 4.73 1.59 4.22 1.40 11.7   .0   0    .0 26485
         77 FAIL

        ALL PASS 32   1.39  1.37 12.05  6.44 839.2 104.2 3.00 1.58 2.73 1.34 10.4  1.3  13  40.6 35996
        ALL FAIL  6   3.19  4.15 16.58  8.94 800.9  79.8 4.31 1.30 3.99  .98 10.6  1.0   0    .0 42730

         75  ALL 24   2.02  2.55 15.12  6.06 869.4  97.5 3.26 1.14 3.07 1.02  9.9  1.1   6  25.0 43324
         76  ALL 14   1.08   .52  8.74  6.72 771.1  74.3 3.10 2.22 2.69 1.82 11.3   .9   7  50.0 26320
         77  ALL

           TOTAL 38   1.67  2.08 12.77  6.96 833.2 100.8 3.20 1.60 2.93 1.36 10.4  1.2  13  34.2 37059

FSC  DEQ 75  ALL 18   1.14   .91 17.02 12.48 759.0  69.9 2.40  .87           11.3  1.0
         76  ALL  9    .93   .35  7.33 11.41 627.8  47.2 2.66 1.78           13.9  1.1
         77  ALL

           TOTAL 27   1.07   .77 13.79 12.79 715.2  88.6 2.48 1.22           12.1  1.6

FSC  HTS 75  ALL 24   2.50  4.25 10.47  6.43 716.9  70.4 2.21  .70           12.0  1.0
         76  ALL 14   1.00   .55  6.27 10.70 590.7  59.2 2.58 1.70           14.7  1.2
         77  ALL

           TOTAL 38   1.95  3.45  8.92  8.38 670.4  90.1 2.35 1.16           13.0  1.7


                     ------------HIGH------------ -----------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN  SD MEAN SD MEAN  SD MEAN   SD MEAN SD MEAN  SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 18   269  110  .2  .2  860  451  386  476  .2  .2  379  138  747  716  .8  .7  111  70
         76  ALL  9   368  205  .0  .0  754  652  335  131  .0  .0  505  388  932 1746  .9 2.5  150 104
         77  ALL

           TOTAL 27   302  152  .1  .2  824  517  369  392  .1  .2  421  250  809 1132  .8 1.5  124  83

F3M  H-L 75  ALL 24   465  978  .1  .1  797  494  640 1346  .1  .1  360  151 1014 1514  .7  .7  110  35
         76  ALL 14   292  128  .0  .0  871  748  304  173  .0  .0  547  479 1017 2370  .7 2.7  138 105
         77  ALL

           TOTAL 38   401  780  .1  .1  824  591  516 1079  .0  .1  429  321 1015 1843  .7 1.7  120  69

F3M  D-G 75  ALL 18    31    8  .2  .2            46   44  .2  .2             68   58  .9  .7
         76  ALL  9    35    8  .0  .0            44    6  .0  .0             98  158 1.0 2.7
         77  ALL

           TOTAL 27    33    8  .1  .2            45   36  .2  .2             78  100  .9 1.6

F3M  H-G 75  ALL 24    81  131  .2  .1           101  156  .2  .1            132  171  .8 1.0
         76  ALL 14    60   51  .0  .0            75   65  .0  .0             96   84  .8 2.6
         77  ALL

           TOTAL 38    73  108  .1  .1            91  129  .1  .1            119  144  .8 1.7


                     ------------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 24     93 165   42  33  116 175  .5  .7  .1  .1  .4  .6  822 124  825 123
         76  ALL 14    164 238  129 102   97  75  .9 1.6  .0  .1  .1  .2  885 135  894 133
         77  ALL

           TOTAL 38    119 195   74  78  109 145  .6 1.1  .1  .1  .3  .5  847 130  852 130

IDLE HTS 75  ALL 24    140 309   27  17  123 263  .5  .5  .1  .1  .3  .4  800 108  812 105  60  17 120  57  60  21
         76  ALL 14    127  91   55  34   84  65  .1  .5  .0  .0  .0  .0  887 122  912 126  89  18 204 109 104  37
         77  ALL

           TOTAL 38    135 249   38  28  109 212  .3  .5  .0  .1  .2  .3  832 120  849 122  75  22 164  96  83  37
```

NOTE : EPA NO. 50356 WAS NOT INCLUDED IN COMPOSITE (ENGINE MISMATCH)

```
                              APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=34    MODEL YR(S)=1977

   MAKE=FORD MERC              MODEL=MAVERICK GRANADA COMET MONARCH

                      ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                  QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 16   1.12    .51 10.75   6.98 505.8   26.3 2.70 1.82 2.47 1.63 16.8    .8   8  50.0 16749
         75 FAIL
         76 FAIL
         77 FAIL 19   2.53   1.14 36.75  18.73 476.1   31.4 3.48 3.18 3.07 2.75 16.3    .7   1   5.2 13210

        ALL PASS 16   1.12    .51 10.75   6.98 505.8   26.3 2.70 1.82 2.47 1.63 16.8    .8   8  50.0 16749
        ALL FAIL 19   2.53   1.14 36.75  18.73 476.1   31.4 3.48 3.18 3.07 2.75 16.3    .7   1   5.2 13210

         75  ALL
         76  ALL
         77  ALL 35   1.88   1.14 24.86  19.49 489.7   32.4 3.13 2.64 2.80 2.30 16.6    .8   9  25.7 14828

           TOTAL 35   1.88   1.14 24.86  19.49 489.7   32.4 3.13 2.64 2.80 2.30 16.6    .8   9  25.7 14828

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 13   1.61   1.03 18.31  17.77 396.3   27.0 2.73 2.44           20.6   1.3

           TOTAL 13   1.61   1.03 18.31  17.77 396.3   27.0 2.73 2.44           20.6   1.3

FSC  HTS 75  ALL
         76  ALL
         77  ALL 35   1.82   1.08 20.43  15.68 387.2   31.1 2.15 2.09           20.9   1.4

           TOTAL 35   1.82   1.08 20.43  15.68 387.2   31.1 2.15 2.09           20.9   1.4

                      -----------HIGH------------ -----------LOW-------------- -----------IDLE-----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 13    585  752  .1  .3  853  749 1071 1313  .6 1.0  941  905 2788 1718 2.4 1.9  303 149

           TOTAL 13    585  752  .1  .3  853  749 1071 1313  .6 1.0  941  905 2788 1718 2.4 1.9  303 149

F3M  H-L 75  ALL
         76  ALL
         77  ALL 35    510  397  .0  .1  874  760 1016 1089  .4  .7  802  811 2685 2490 2.1 2.4  310 262

           TOTAL 35    510  397  .0  .1  874  760 1016 1089  .4  .7  802  811 2685 2490 2.1 2.4  310 262

F3M  D-G 75  ALL
         76  ALL
         77  ALL 13     67   53  .2  .3            101   97  .7 1.0            215  140 2.1 1.9

           TOTAL 13     67   53  .2  .3            101   97  .7 1.0            215  140 2.1 1.9

F3M  H-G 75  ALL
         76  ALL
         77  ALL 35     66   63  .1  .2            112  113  .4  .7            234  205 1.9 2.3

           TOTAL 35     66   63  .1  .2            112  113  .4  .7            234  205 1.9 2.3

                      -----------HC------------- ---------CO----------- -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 35    275 243  249 252  327 269 2.3 2.6  .7 1.8 2.2 2.5  891 117  898 114

           TOTAL 35    275 243  249 252  327 269 2.3 2.6  .7 1.8 2.2 2.5  891 117  898 114

IDLE HTS 75  ALL
         76  ALL
         77  ALL 35    260 206  224 180  256 258 1.2 1.5  .6  .9 1.5 1.9  859 109  885 108 110  43 217 227 102  32

           TOTAL 35    260 206  224 180  256 258 1.2 1.5  .6  .9 1.5 1.9  859 109  885 108 110  43 217 227 102  32
```

```
                        APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=35    MODEL YR(S)=1977

   MAKE=FORD MERC             MODEL=MAVERICK GRANADA COMET MONARCH

                      ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                  QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 18   1.71   .90 16.46 11.47 564.2  43.6 2.06 1.23 1.89 1.23 14.9   .8   7  38.8 11697
         75 FAIL
         76 FAIL
         77 FAIL 21   4.35  3.53 46.77 34.10 516.6  68.3 2.05 1.22 1.89 1.12 14.8  1.3   1   4.7 15070

        ALL PASS 18   1.71   .90 16.46 11.47 564.2  43.6 2.06 1.23 1.89 1.23 14.9   .8   7  38.8 11697
        ALL FAIL 21   4.35  3.53 46.77 34.10 516.6  68.3 2.05 1.22 1.89 1.12 14.8  1.3   1   4.7 15070

         75  ALL
         76  ALL
         77  ALL 39   3.13  2.95 32.78 30.08 538.5  62.3 2.05 1.21 1.89 1.16 14.8  1.1   8  20.5 13513

           TOTAL 39   3.13  2.95 32.78 30.08 538.5  62.3 2.05 1.21 1.89 1.16 14.8  1.1   8  20.5 13513

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 26   2.66  2.97 25.47 35.36 450.2  73.9 1.81  .92           17.9  1.9

           TOTAL 26   2.66  2.97 25.47 35.36 450.2  73.9 1.81  .92           17.9  1.9

FSC  HTS 75  ALL
         76  ALL
         77  ALL 39   2.24  2.41 18.38 21.51 437.5  46.2 1.60  .94           18.8  1.5

           TOTAL 39   2.24  2.41 18.38 21.51 437.5  46.2 1.60  .94           18.8  1.5

                     -----------HIGH----------- -----------LOW------------ -----------IDLE----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 26 1526 1438   .6  .7  593  459 1431 1978   .4  .9  385  444 3655 3752 3.2 4.0  310 356

           TOTAL 26 1526 1438   .6  .7  593  459 1431 1978   .4  .9  385  444 3655 3752 3.2 4.0  310 356

F3M  H-L 75  ALL
         76  ALL
         77  ALL 39 1312 1134   .4  .5  606  562 1113 1601   .2  .6  408  456 3111 3458 2.3 3.2  232 269

           TOTAL 39 1312 1134   .4  .5  606  562 1113 1601   .2  .6  408  456 3111 3458 2.3 3.2  232 269

F3M  D-G 75  ALL
         76  ALL
         77  ALL 26  126   97   .7  .7            126  148   .4  .8             377  437 3.1 3.8

           TOTAL 26  126   97   .7  .7            126  148   .4  .8             377  437 3.1 3.8

F3M  H-G 75  ALL
         76  ALL
         77  ALL 39  130  104   .5  .6            131  158   .3  .6             297  358 2.2 3.2

           TOTAL 39  130  104   .5  .6            131  158   .3  .6             297  358 2.2 3.2

                     -----------HC------------- ----------CO------------ -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 39   375 488  214 184  402 490  2.1 3.3   .7 1.5  2.0 3.2  882 169  892 173

           TOTAL 39   375 488  214 184  402 490  2.1 3.3   .7 1.5  2.0 3.2  882 169  892 173

IDLE HTS 75  ALL
         76  ALL
         77  ALL 39   351 502  155 170  317 489  1.7 3.0   .5 1.1  1.7 3.0  874 156  910 139  119  53  186  88  148 134

           TOTAL 39   351 502  155 170  317 489  1.7 3.0   .5 1.1  1.7 3.0  874 156  910 139  119  53  186  88  148 134
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=36    MODEL YR(S)=1977

   MAKE=FORD MERC              MODEL=T-BIRD LTD-II COUGAR

                        ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                    QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 21   1.12    .95 13.76 14.67 664.6  82.1 1.63 1.37 1.46 1.24 12.9  1.3  14  66.6 17831
         75 FAIL
         76 FAIL
         77 FAIL 14   4.89   2.67 71.48 33.97 534.9  39.5 2.07 1.06 1.90  .99 13.4   .7   0    .0 15502

        ALL PASS 21   1.12    .95 13.76 14.67 664.6  82.1 1.63 1.37 1.46 1.24 12.9  1.3  14  66.6 17831
        ALL FAIL 14   4.89   2.87 71.48 33.97 534.9  39.5 2.07 1.06 1.90  .99 13.4   .7   0    .0 15502

         75  ALL
         76  ALL
         77  ALL 35   2.62   2.68 36.85 37.30 612.7  93.4 1.81 1.26 1.64 1.15 13.1  1.1  14  40.0 16899

           TOTAL 35   2.62   2.68 36.85 37.30 612.7  93.4 1.81 1.26 1.64 1.15 13.1  1.1  14  40.0 16899

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 13   2.72   2.86 27.72 32.94 500.8  67.1 1.50 1.48           16.2  1.6

           TOTAL 13   2.72   2.86 27.72 32.94 500.8  67.1 1.50 1.48           16.2  1.6

FSC  HTS 75  ALL
         76  ALL
         77  ALL 35   2.10   2.39 22.75 26.59 493.7  70.0 1.43 1.04           16.7  1.6

           TOTAL 35   2.10   2.39 22.75 26.59 493.7  70.0 1.43 1.04           16.7  1.6

                      ------------HIGH------------ -----------LOW-------------- -----------IDLE-----------
                      ---HC---- ---CO-- ---NOX---  ----HC---  ---CO-- ---NOX---  ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD  MEAN   SD  MEAN SD MEAN   SD  MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 13   819 1333  .5 1.3  602   605 1165 1610  .4  .9  393   551 3593 3361 3.5 3.7  132 122

           TOTAL 13   819 1333  .5 1.3  602   605 1165 1610  .4  .9  393   551 3593 3361 3.5 3.7  132 122

F3M  H-L 75  ALL
         76  ALL
         77  ALL 35   541 1027  .2  .9  611   538  652 1292  .2  .7  369   309 3121 3240 3.0 3.4  146 128

           TOTAL 35   541 1027  .2  .9  611   538  652 1292  .2  .7  369   309 3121 3240 3.0 3.4  146 128

F3M  D-G 75  ALL
         76  ALL
         77  ALL 13    81   96  .5 1.3              113  119  .5  .9              370  333 3.8 3.8

           TOTAL 13    81   96  .5 1.3              113  119  .5  .9              370  333 3.8 3.8

F3M  H-G 75  ALL
         76  ALL
         77  ALL 35    71   92  .3  .9               94  115  .2  .7              335  379 3.0 3.2

           TOTAL 35    71   92  .3  .9               94  115  .2  .7              335  379 3.0 3.2

                      ------------HC------------- ---------CO----------- -------RPM------- ---------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 35   358 455  179 190  365 428 2.3 3.0  .3  .9 2.0 2.9  853 108  857 108

           TOTAL 35   358 455  179 190  365 428 2.3 3.0  .3  .9 2.0 2.9  853 108  857 108

IDLE HTS 75  ALL
         76  ALL
         77  ALL 35   375 345  126 123  315 353 1.7 2.5  .2  .6 1.7 2.8  850 108  887 118   94  22 155  82 100  29

           TOTAL 35   375 345  126 123  315 353 1.7 2.5  .2  .6 1.7 2.8  850 108  887 118   94  22 155  82 100  29
```

```
                         APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=38    MODEL YR(S)=1977

   MAKE=FORD MERC               MODEL=FORD T-BIRD LTD-II MERC COUGAR
```

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```
                     -----HC-----  -----CO-----  ----CO2-----  ----NOX-----  ----NOXC----  ----MPG-----   MEETS STD    MEAN
                 QTY   MEAN     SD   MEAN     SD   MEAN     SD   MEAN     SD   MEAN     SD   MEAN     SD    QTY  PERCT   ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS  38   1.00   2.20   5.28   6.33  730.9   46.5   2.22   1.42   2.00   1.31   12.0     .8     26   68.4  22345
         75 FAIL
         76 FAIL
         77 FAIL   1   8.49    .00  87.17    .00  509.5     .0   4.64    .00   4.65    .00   13.2     .0      0     .0  16018

        ALL PASS  38   1.00   2.20   5.28   6.33  730.9   46.5   2.22   1.42   2.00   1.31   12.0     .8     26   68.4  22345
        ALL FAIL   1   8.49    .00  87.17    .00  509.5     .0   4.64    .00   4.65    .00   13.2     .0      0     .0  16018

         75  ALL
         76  ALL
         77  ALL  39   1.19   2.46   7.38  14.52  725.3   58.0   2.28   1.46   2.07   1.36   12.0     .8     26   66.6  22182

           TOTAL  39   1.19   2.48   7.38  14.52  725.3   58.0   2.28   1.46   2.07   1.36   12.0     .8     26   66.6  22182

FSC  DEQ 75  ALL
         76  ALL
         77  ALL  15   1.24   2.49  10.90  19.60  579.7   63.3   1.78    .68                 14.8    1.0

           TOTAL  15   1.24   2.49  10.90  19.60  579.7   63.3   1.78    .68                 14.8    1.0

FSC  HTS 75  ALL
         76  ALL
         77  ALL  39    .94   1.30   6.70  10.07  564.3   55.4   1.79   1.07                 15.4    1.2

           TOTAL  39    .94   1.30   6.70  10.07  564.3   55.4   1.79   1.07                 15.4    1.2


                     ----------------HIGH--------------  -----------------LOW--------------  ----------------IDLE--------------
                     ---HC-----  ---CO-----  ---NOX----  ---HC-----  ---CO-----  ---NOX----  ---HC-----  ---CO-----  ---NOX----
                 QTY  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD  MEAN    SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL  15   442   921    .1    .5   624   454   481  1201    .0    .2   404   404  1147  2621   1.1   2.8   141   125

           TOTAL  15   442   921    .1    .5   624   454   481  1201    .0    .2   404   404  1147  2621   1.1   2.8   141   125

F3M  H-L 75  ALL
         76  ALL
         77  ALL  39   364   659    .0    .3   567   498   353   690    .0    .0   347   339   699  1620    .6   1.9   156   135

           TOTAL  39   364   659    .0    .3   567   498   353   690    .0    .0   347   339   699  1620    .6   1.9   156   135

F3M  D-G 75  ALL
         76  ALL
         77  ALL  15    50    60    .2    .5                56    84    .1    .3                152   297   1.4   2.7

           TOTAL  15    50    60    .2    .5                56    84    .1    .3                152   297   1.4   2.7

F3M  H-G 75  ALL
         76  ALL
         77  ALL  39    44    58    .0    .4                49    57    .0    .0                 86   182    .5   1.8

           TOTAL  39    44    58    .0    .4                49    57    .0    .0                 86   182    .5   1.8


                     -------------HC-------------  -------------CO-------------  --------RPM--------  ------------NOX-------------
                 QTY --1ST---  --2500--  --2ND---  --1ST---  --2500--  --2ND---  --1ST---  --2ND---  --1ST---  --2500--  --2ND---
                     MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD MEAN   SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL  39  121  226  107   80  102  205   .8  2.0   .0   .3   .2  1.4  848  104  851  106

           TOTAL  39  121  226  107   80  102  205   .8  2.0   .0   .3   .2  1.4  848  104  851  106

IDLE HTS 75  ALL
         76  ALL
         77  ALL  39  161  217   63   67   90  193   .9  2.0   .0   .2   .2  1.4  857  108  901  115   92   35  131   50  100   35

           TOTAL  39  161  217   63   67   90  193   .9  2.0   .0   .2   .2  1.4  857  108  901  115   92   35  131   50  100   35
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=39    MODEL YR(S)=1975,1976

   MAKE=CHEV                    MODEL=VEGA

                          ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                      QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 11   1.04    .50 13.98  6.50 440.9   41.2 1.70  .88 1.65  .95 19.1  1.6   4  36.3 29021
         76 PASS  3    .76    .44 12.04  7.93 408.6   26.1 1.90  .30 1.63  .33 20.7  1.8   2  66.6 16036
         77 PASS
         75 FAIL 14   2.27    .84 44.36 27.38 387.4   35.0 1.53  .36 1.43  .31 19.2  1.3   0    .0 37418
         76 FAIL  8   2.04    .50 35.35 11.27 396.7   30.3 2.17 1.52 1.95 1.36 19.3   .9   0    .0 22434
         77 FAIL

        ALL PASS 14    .98    .49 13.57  6.55 434.0   40.0 1.74  .78 1.64  .84 19.4  1.7   6  42.8 26238
        ALL FAIL 22   2.18    .73 41.09 22.93 390.8   32.9 1.76  .98 1.62  .86 19.2  1.1   0    .0 31970

         75  ALL 25   1.73    .93 30.95 25.70 411.0   45.9 1.60  .64 1.53  .66 19.1  1.4   4  16.0 33723
         76  ALL 11   1.69    .75 29.02 14.84 399.9   28.5 2.09 1.28 1.86 1.15 19.7  1.2   2  18.1 20689
         77  ALL

           TOTAL 36   1.72    .87 30.39 22.73 407.6   41.3 1.75  .90 1.63  .84 19.3  1.4   6  16.6 29741

FSC  DEU 75  ALL 14   1.83    .97 32.06 19.25 333.7   62.7 1.20  .65            22.9  2.1
         76  ALL  3   1.90   1.02 38.50 22.71 328.3   33.1  .87  .30            22.5  1.6
         77  ALL

           TOTAL 17   1.84    .95 33.20 19.28 332.7   57.8 1.14  .61            22.8  1.9

FSC  HTS 75  ALL 25   1.55    .64 25.71 18.91 317.8   36.8 1.03  .55            24.5  2.0
         76  ALL 11   1.70    .82 25.86 15.98 313.1   29.7 1.32 1.08            24.7  1.4
         77  ALL

           TOTAL 36   1.60    .83 25.75 17.84 316.4   35.9 1.12  .75            24.6  1.8


                      -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CC-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 14   871  753  .4  .6 1122  612 1915 1393 1.5 1.2  467  393 3102 2786 4.0 3.7  119  99
         76  ALL  3  1152  640  .5  .2 1078  169 1847 1106 1.3 1.0  220   60 2434 2140 3.4 3.4  245 257
         77  ALL

           TOTAL 17   921  724  .5  .5 1114  555 1903 1315 1.4 1.1  423  368 2984 2636 3.9 3.6  141 136

F3M  H-L 75  ALL 25  1093  859  .5 1.0  986  388 1656 1133 1.0 1.2  464  281 3266 2312 3.3 3.0  154  84
         76  ALL 11   948  817  .3  .3 1356  600 1830 1233  .9  .8  555  677 2829 2589 3.6 4.0  144 137
         77  ALL

           TOTAL 36  1049  837  .4  .9 1100  485 1710 1150 1.0 1.1  492  432 3132 2371 3.4 3.2  151 101

F3M  D-G 75  ALL 14    75   52  .5  .5            155  108 1.4 1.2            289  293 3.9 3.5
         76  ALL  3    71   30  .5  .3            126   55 1.3  .7            163  146 3.1 3.3
         77  ALL

           TOTAL 17    74   48  .5  .5            150  100 1.4 1.1            267  273 3.8 3.3

F3M  H-G 75  ALL 25    99   73  .6 1.0            152  110 1.1 1.3            261  192 3.4 2.9
         76  ALL 11    72   47  .3  .4            136   83  .9  .8            210  151 3.6 3.8
         77  ALL

           TOTAL 36    91   67  .5  .9            147  102 1.1 1.1            245  181 3.4 3.2


                      -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEU 75  ALL 25    155 174  149 246  168 137 2.5 2.7 1.2 1.8 2.5 2.6 1010 150 1008 149
         76  ALL 11    153  81  134  75  170 116 2.9 2.2 1.1 1.2 2.6 2.4  960 146  965 139
         77  ALL

           TOTAL 36    154 150  144 208  169 129 2.6 2.6 1.2 1.6 2.5 2.5  995 148  995 145

IDLE HTS 75  ALL 25    173 153  110  76  158 145 2.5 3.0  .9 1.2 2.2 2.7  994 136 1007 139 101  24 148  76 100  25
         76  ALL 11    166 102  127  46  144  96 2.6 2.7 1.2 1.6 2.5 2.5  946 128  947 129  87  34 162  75  90  35
         77  ALL

           TOTAL 36    171 138  115  68  153 130 2.5 2.9 1.0 1.3 2.3 2.6  979 134  988 137  96  29 154  74  96  29
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=40    MODEL YR(S)=1975,1976

   MAKE=CHEV                    MODEL=VEGA MONZA

                          ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD  MEAN
                      QTY MEAN    SD  MEAN    SD  MEAN    SD  MEAN   SD  MEAN   SD  MEAN   SD  QTY PERCT  ODOM

FTP  HTS 75 PASS  9   1.44   .41 14.60  3.05 407.8  29.1 2.73 1.22 2.43 1.05 20.4  1.2   3  33.3 37122
         76 PASS 11   1.98   .97 23.45 15.09 382.5  26.8 1.94  .73 1.68  .54 20.8  1.0   2  18.1 27474
         77 PASS
         75 FAIL 15   4.05  1.34 47.13 25.21 370.4  32.9 2.08  .61 1.90  .51 19.4  1.4   0    .0 43023
         76 FAIL  1   2.10   .00 36.01   .00 410.1    .0 2.04  .00 1.90  .00 18.7   .0   0    .0 35780
         77 FAIL

        ALL PASS 20   1.73   .80 19.47 12.01 393.9  30.0 2.29 1.03 2.02  .87 20.6  1.1   5  25.0 31816
        ALL FAIL 16   3.93  1.39 46.43 24.51 372.9  33.3 2.08  .59 1.90  .49 19.4  1.3   0    .0 42570

         75  ALL 24   3.07  1.68 34.93 25.47 384.4  36.0 2.33  .92 2.10  .78 19.8  1.4   3  12.5 40810
         76  ALL 12   1.99   .93 24.50 14.84 384.8  26.8 1.95  .69 1.70  .52 20.7  1.2   2  16.6 28166
         77  ALL

          TOTAL 36    2.71  1.55 31.45 22.81 384.6  32.8 2.20  .86 1.97  .72 20.1  1.4   5  13.8 36595

FSC  DEW 75  ALL 11   2.13  1.46 24.43 27.60 329.4  40.5 1.90  .80            23.8  2.1
         76  ALL  5   1.10   .66  9.11  9.38 345.1  25.2 1.50  .75            24.5  1.5
         77  ALL

          TOTAL 16    1.81  1.33 19.64 24.19 334.3  36.3 1.77  .78            24.0  1.9

FSC  HTS 75  ALL 24   2.13  1.41 27.19 26.41 317.6  31.7 1.68  .81            24.3  2.1
         76  ALL 12   1.34   .93 15.47 14.74 313.7  29.1 1.27  .52            25.9  1.5
         77  ALL

          TOTAL 36    1.87  1.31 23.28 23.62 316.3  30.5 1.54  .75            24.8  2.1


                      -----------HIGH------------ -----------LOW-------------- -----------IDLE----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 11   1405 1155  .8 1.3 1617  696 2128 1742 1.5 2.5 1045  584 4951 4067 4.0 4.0   73  37
         76  ALL  5    532  310  .0  .0 1798  666  452  301  .0  .1  554  256  765  800  .4  .6   83  38
         77  ALL

          TOTAL 16    1174 1056  .5 1.1 1673  670 1604 1640 1.0 2.1  892  548 3643 3900 2.9 3.7   76  36

F3M  H-L 75  ALL 24   1726 1119  .6 1.4 1601  586 2370 1655 1.7 1.9  936  522 4231 3514 3.8 3.4   93  68
         76  ALL 12    930  837  .3  .8 1551  496 1629 1290 1.0 1.0  766  591 1660 1805 1.3 2.2   79  24
         77  ALL

          TOTAL 36    1461 1090  .5 1.2 1584  551 2123 1564 1.4 1.7  879  543 3374 3263 3.0 3.3   89  57

F3M  D-G 75  ALL 11    128  152  .8 1.2             209  231 1.7 2.2            481  535 4.3 3.8
         76  ALL  5     48   11  .0  .0              51   20  .1  .1             64   50  .4  .6
         77  ALL

          TOTAL 16     103  130  .5 1.0             159  204 1.2 1.9            350  481 3.1 3.6

F3M  H-G 75  ALL 24    126  116  .7 1.4             192  196 1.6 1.8            269  225 3.7 3.5
         76  ALL 12     78   44  .3  .9             128   71 1.0 1.0            126   86 1.3 2.1
         77  ALL

          TOTAL 36     110  100  .6 1.3             171  166 1.4 1.6            221  201 2.9 3.2


                     -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 24   180 135  144  98  270 189 3.1 3.3 2.1 2.3 3.2 3.2  883 152  887 149
         76  ALL 12    61  50   93  79   99  90  .6 1.6  .8 1.2  .8 2.3  841 157  833 162
         77  ALL

          TOTAL 36    140 126  127  94  213 181 2.2 3.1 1.6 2.1 2.4 3.1  869 153  869 153

IDLE HTS 75  ALL 24   229 153  122  87  202 130 3.5 3.7 1.6 1.8 3.0 3.1  850 149  865 155   89  26 258  88  90  25
         76  ALL 12   122  93   74  26   93  74  .7 2.1  .6  .9  .6 2.0  801 147  821 154   72  31 154  55  74  32
         77  ALL

          TOTAL 36    193 144  106  76  166 125 2.5 3.5 1.3 1.6 2.2 3.0  833 148  850 154   84  28 230  92  86  27
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=41    MODEL YR(S)=1975,1976

   MAKE=CHEV PONT OLDS         MODEL=NOVA CAMARO VENTURA FBIRD CUTLASS OMEGA

                       ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                  QTY  MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS  5     .88   .31  8.28  4.46 535.0  29.1 3.06  .32 2.72  .27 16.1   .9   4  80.0 28676
         76 PASS 13    1.15   .61 14.76 16.51 499.1  30.6 2.84  .72 2.54  .54 16.8   .6   8  61.5 29126
         77 PASS
         75 FAIL  8    2.07   .85 36.84 21.84 494.9  25.0 2.54  .56 2.35  .57 15.8   .5   2  25.0 32431
         76 FAIL 11    2.58  1.78 48.55 29.03 466.2  46.0 2.82  .83 2.57  .74 16.2  1.4   0    .0 23092
         77 FAIL

        ALL PASS 18    1.07   .55 12.96 14.36 509.1  33.7 2.90  .63 2.59  .48 16.6   .7  12  66.6 29001
        ALL FAIL 19    2.36  1.45 43.62 26.24 478.3  40.3 2.70  .73 2.48  .67 16.0  1.1   2  10.5 27024

         75  ALL 13    1.61   .90 25.85 22.22 510.3  32.6 2.74  .53 2.49  .50 15.9   .6   6  46.1 30987
         76  ALL 24    1.80  1.45 30.25 28.36 484.0  41.1 2.83  .76 2.56  .63 16.5  1.1   8  33.3 26360
         77  ALL

          TOTAL 37     1.73  1.27 28.70 26.13 493.3  39.9 2.80  .68 2.53  .58 16.3  1.0  14  37.8 27986

FSC  DEQ 75  ALL  7    1.38   .62 29.28 24.06 392.0  35.7 1.69  .86           20.1  1.7
         76  ALL 12    1.47  1.46 21.16 20.19 405.7  29.0 3.05  .90           20.0  1.3
         77  ALL

          TOTAL 19     1.43  1.19 24.15 21.63 400.7  31.4 2.55 1.09           20.1  1.4

FSC  HTS 75  ALL 13    1.19  1.06 19.12 19.41 395.4  29.2 2.14  .55           20.7  1.2
         76  ALL 24    1.34  1.44 19.16 22.62 377.9  31.2 2.46  .75           21.5  1.3
         77  ALL

          TOTAL 37     1.29  1.30 19.14 21.27 384.0  31.3 2.35  .69           21.2  1.3


                      -----------HIGH----------- -----------LOW------------ -----------IDLE----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL  7    759  774  .4  .7  879  777  929  979  .9 1.6 1295  326 2875 1315 3.5 2.6  126  81
         76  ALL 12    276  151  .0  .0 1257  654  816 1115  .6 1.2 1484  559 2519 1860 3.5 2.8  165 106
         77  ALL

          TOTAL 19     455  520  .1  .4 1118  705  857 1040  .7 1.3 1415  485 2650 1650 3.5 2.6  151 139

F3M  H-L 75  ALL 13    391  500  .1  .5 1093  589  751  902  .5  .9 1292  529 2283 2430 2.7 3.2  184 151
         76  ALL 24    195  112  .0  .0 1090  656  837 1366  .8 1.8 1354  594 2960 2617 3.5 3.5  168 158
         77  ALL

          TOTAL 37     264  317  .0  .3 1091  625  807 1210  .7 1.5 1333  565 2723 2540 3.2 3.4  174 154

F3M  D-G 75  ALL  7     71   53  .5  .7              93   67  .9 1.6            228   88 3.6 2.2
         76  ALL 12     35   16  .0  .0              76   74  .5 1.1            197  128 3.1 2.5
         77  ALL

          TOTAL 19      48   38  .2  .4              82   70  .7 1.2            208  113 3.3 2.3

F3M  H-G 75  ALL 13     56   54  .2  .6             102   74  .5 1.0            223  145 2.8 3.3
         76  ALL 24     43   38  .0  .0             146  298  .8 1.8            249  185 3.6 3.4
         77  ALL

          TOTAL 37      47   44  .1  .3             131  242  .7 1.5            240  170 3.3 3.3


                      ------------HC------------- ----------CO----------- -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 13    190 171   86  42  225 195 2.7 2.7  .7 1.1 2.5 2.7  883 231  883 221
         76  ALL 24    182 165  118 140  205 190 2.1 2.3  .7 1.3 1.9 2.3  893 157  895 155
         77  ALL

          TOTAL 37     185 165  107 116  212 190 2.3 2.4  .7 1.2 2.1 2.4  890 182  891 177

IDLE HTS 75  ALL 13    209 196   63  35  193 165 2.2 2.8  .2  .6 2.0 2.5  770 132  777 123  92  31 232  62  98  34
         76  ALL 24    230 216   58  49  223 222 1.5 2.2  .2  .6 1.7 2.2  816 110  839 114  81  41 238 145  84  38
         77  ALL

          TOTAL 37     222 207   60  44  213 202 1.7 2.4  .2  .6 1.8 2.3  800 118  817 119  84  38 236 127  87  37
```

```
                         APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=42    MODEL YR(S)=1975,1976

   MAKE=CHEV                     MODEL=MALIBU CAMARO MONTE CARLO LAGUNA

                         ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                    QTY MEAN     SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS  9    1.75   1.24 34.07 29.27 628.0  42.6 2.23  .98 2.19  .88 13.0  1.2    3  33.3 36645
         76 PASS 15    1.30    .84 20.89 17.42 625.7  27.9 2.37  .33 2.09  .28 13.4   .6    8  53.3 35093
         77 PASS
         75 FAIL  5    1.95   1.34 35.80 27.27 591.4  50.4 2.38  .75 2.17  .73 13.6   .9    2  40.0 40374
         76 FAIL 10    2.82    .53 55.66 20.83 611.6  39.3 2.76 1.20 2.44 1.06 12.5   .8    0    .0 35011
         77 FAIL

        ALL PASS 24    1.47   1.01 25.83 22.91 626.5  33.3 2.32  .64 2.13  .56 13.2   .9   11  45.8 35675
        ALL FAIL 15    2.53    .93 49.04 24.19 604.8  42.6 2.63 1.06 2.35  .95 12.9   .9    2  13.3 36799

         75  ALL 14    1.82   1.23 34.68 27.51 614.9  47.2 2.28  .88 2.18  .80 13.2  1.1    5  35.7 37977
         76  ALL 25    1.91   1.04 34.80 25.33 620.0  32.9 2.52  .80 2.23  .71 13.0   .6    8  32.0 35060
         77  ALL

           TOTAL 39    1.88   1.10 34.76 25.77 618.2  38.1 2.44  .83 2.21  .73 13.1   .9   13  33.3 36107

FSC  DEQ 75  ALL 12    1.23   1.11 22.78 25.65 524.9  40.6 1.59  .74            15.9  1.7
         76  ALL 13    1.70   1.27 31.55 35.84 525.5  35.8 1.51  .43            15.3  1.2
         77  ALL

           TOTAL 25    1.47   1.19 27.34 31.04 525.2  37.4 1.54  .59            15.6  1.4

FSC  HTS 75  ALL 14    1.42   1.13 30.58 27.95 496.8  43.9 1.24  .56            16.3  1.6
         76  ALL 25    1.54    .97 27.32 24.76 508.6  44.8 1.49  .64            16.0  1.4
         77  ALL

           TOTAL 39    1.50   1.02 28.49 25.63 504.4  44.2 1.40  .62            16.1  1.4


                        -----------HIGH----------- -----------LOW------------- -----------IDLE-----------
                        ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                    QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 12    806  893 1.0 1.4  903  454  946  936 1.1 1.2  276  155 1124 1194 1.0 1.3  130  36
         76  ALL 13    977  948 1.0 1.4 1018  324 1281 1008 1.2 1.2  275  156 1597 1456 1.3 1.6  153  66
         77  ALL

           TOTAL 25    895  907 1.0 1.4  963  388 1120  959 1.1 1.2  275  153 1370 1331 1.2 1.6  142  54

F3M  H-L 75  ALL 14   1093 1045 1.6 1.9  877  478 1260 1004 1.5 1.4  274  190 1189 1252 1.0 1.4  223 200
         76  ALL 25    807  840  .6 1.2 1116  410 1267  980 1.1 1.1  415  338 1737 1623 1.4 1.8  159  73
         77  ALL

           TOTAL 39    910  916 1.0 1.5 1030  445 1265  975 1.3 1.2  304  299 1540 1507 1.3 1.6  181 134

F3M  D-G 75  ALL 12     61   42 1.0 1.3              73   47 1.1 1.1             101   82 1.0 1.2
         76  ALL 13     70   54  .9 1.3             103   63 1.2 1.0             131  105 1.3 1.7
         77  ALL

           TOTAL 25     66   48  .9 1.3              89   57 1.2 1.0             117   94 1.2 1.4

F3M  H-G 75  ALL 14     96   85 1.5 1.7             110  107 1.6 1.9             126  159 1.0 1.6
         76  ALL 25     78   77  .6 1.0             117   79 1.2 1.1             148  117 1.4 1.8
         77  ALL

           TOTAL 39     84   79  .9 1.4             115   89 1.3 1.4             140  132 1.3 1.7


                        ------------HC------------- ---------CO----------- -------RPM------- ----------NOX---------
                    QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                        MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 14     131 108  137 212  140 108  .3  .5 1.0 1.5  .3  .5  885 178  885 178
         76  ALL 25     147 119  117 176  157 104 1.4 2.3 1.4 2.3 1.2 1.9  923 178  928 177
         77  ALL

           TOTAL 39     141 114  124 187  151 104 1.0 1.9 1.2 2.0  .9 1.6  909 176  912 176

IDLE HTS 75  ALL 14     119 109  115 284   93 102  .0  .0  .6  .9  .1  .3  808 127  858 142   68  23 145  50  76  29
         76  ALL 25     164 174  116 331  144 153  .8 2.1 1.0 2.1  .8 2.1  788 139  844 151   82  34 174  43  86  32
         77  ALL

           TOTAL 39     161 155  115 311  125 138  .5 1.7  .8 1.8  .6 1.7  795 134  849 146   79  32 166  46  83  31
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=43    MODEL YR(S)=1975,1976

   MAKE=CHEV                      MODEL=BELAIR IMPALA CAPRICE MALIBU WAGON

                          ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                      QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 22   2.17  2.18 31.43 20.25 651.5  35.0 3.03 1.25 2.72 1.16 12.5   .6   4  18.1 32423
         76 PASS  9   1.79  1.49 32.10 31.13 672.3  53.1 2.47  .74 2.17  .56 12.2   .6   4  44.4 33892
         77 PASS
         75 FAIL  5   3.30  1.33 85.51 44.04 617.5  70.6 2.75 1.88 2.49 1.59 11.6   .7   0    .0 43788
         76 FAIL  5   3.25   .69 73.01 12.09 615.7  59.7 2.29  .44 2.06  .34 12.0   .7   0    .0 26524
         77 FAIL

        ALL PASS 31   2.06  1.99 31.62 23.35 657.5  41.2 2.86 1.14 2.56 1.04 12.4   .6   8  25.8 32850
        ALL FAIL 10   3.27  1.00 79.26 31.15 616.6  61.7 2.52 1.31 2.27 1.10 11.8   .7   0    .0 35156

         75  ALL 27   2.38  2.07 41.44 32.98 645.2  44.0 2.97 1.35 2.67 1.21 12.4   .7   4  14.8 34528
         76  ALL 14   2.31  1.42 46.71 32.48 652.1  60.2 2.40  .63 2.13  .48 12.1   .6   4  28.5 31260
         77  ALL

           TOTAL 41   2.36  1.86 43.24 32.50 647.5  49.5 2.78 1.18 2.49 1.05 12.3   .7   8  19.5 33412

FSC  DEQ 75  ALL 24   1.66  1.51 29.61 32.29 550.4  50.9 2.09 1.05           14.7   .8
         76  ALL  8   2.09  1.47 34.11 29.32 521.3  43.2 1.52  .42           15.2   .3
         77  ALL

           TOTAL 32   1.76  1.49 30.74 31.17 543.1  50.0 1.95  .96           14.9   .7

FSC  HTS 75  ALL 27   2.49  3.63 36.57 48.06 513.9  45.4 1.76  .95           15.3  1.4
         76  ALL 14   1.79  1.27 32.18 26.73 524.3  51.3 1.29  .32           15.3  1.1
         77  ALL

           TOTAL 41   2.25  3.04 36.39 41.75 517.4  47.1 1.60  .82           15.3  1.3

                      -----------HIGH------------ -----------LOW-------------- -----------IDLE-----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                  QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 24   775  703  .7 1.2 1236  524 1001  955 1.2 1.4  427  316 1789 2279 1.6 2.5  135  78
         76  ALL  8  1143 1231 1.1 1.7  961  308 1535 1194 1.2 1.1  233   72 1704 1637 1.3 1.8  165 138
         77  ALL

           TOTAL 32   856  855  .8 1.4 1167  490 1134 1027 1.2 1.3  378  287 1768 2112 1.5 2.3  143  94

F3M  H-L 75  ALL 27   709  718  .7 1.2 1168  501 1190 1081 1.3 1.5  437  396 1985 2494 1.9 2.8  115  59
         76  ALL 14   915 1175  .8 1.6  942  381 1229 1160 1.0 1.1  246   90 2119 1603 1.6 2.0  170 133
         77  ALL

           TOTAL 41   779  891  .8 1.3 1091  471 1203 1094 1.2 1.4  372  336 2030 2210 1.8 2.5  134  93

F3M  D-G 75  ALL 24    59   36  .8 1.2              85   60 1.3 1.5             144  139 1.6 2.4
         76  ALL  8    65   85 1.1 1.7             122   88 1.4 1.2             209  235 1.3 1.7
         77  ALL

           TOTAL 32    65   52  .9 1.3              94   68 1.3 1.4             160  166 1.6 2.3

F3M  H-G 75  ALL 27    91   79  .9 1.4             134  110 1.4 1.5             205  207 2.0 2.8
         76  ALL 14    78   90  .6 1.1             100  101 1.0 1.2             188  168 1.8 2.1
         77  ALL

           TOTAL 41    87   82  .8 1.3             122  107 1.3 1.4             199  193 1.9 2.6

                      -----------HC------------- ---------CO----------- -------RPM------- ----------NOX----------
                  QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                      MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 27    128 161   62  49  135 140 1.0 1.9  .7 1.0  .9 1.9  854 117  855 123
         76  ALL 14    159 128   80  49  169 120 1.3 1.7 1.1 1.4 1.3 1.8  860 153  864 158
         77  ALL

           TOTAL 41    138 150   66  49  147 133 1.1 1.9  .8 1.1 1.0 1.8  856 129  858 134

IDLE HTS 75  ALL 27    187 229   54  45  165 204  .7 1.7  .5  .7  .8 1.7  745 116  791 133   74  29 196  75  88  28
         76  ALL 14    124  98   43  31  107  97  .8 1.7  .4  .8  .7 1.7  790  79  845  85   84  20 173  46  90  27
         77  ALL

           TOTAL 41    165 195   50  41  145 175  .7 1.6  .5  .8  .7 1.7  760 106  809 120   77  27 189  67  89  27
```

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                              APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=44    MODEL YR(S)=1976

   MAKE=CHEV                   MODEL=MONZA NOVA CAMARO LT

                     ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                 QTY MEAN    SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS 26   1.10   .69 13.70 15.88 553.1  28.4 3.00 1.01 2.69  .88 15.4  1.0  13  50.0 24901
         77 PASS
         75 FAIL  1   1.26   .00 26.17   .00 587.9    .0 2.24  .00 1.83  .00 14.0   .0   0    .0 43247
         76 FAIL 13   2.08  1.46 38.26 24.84 538.9  40.3 2.52  .90 2.30  .77 14.6   .8   2  15.3 29788
         77 FAIL

        ALL PASS 26   1.10   .69 13.70 15.88 553.1  28.4 3.00 1.01 2.69  .88 15.4  1.0  13  50.0 24901
        ALL FAIL 14   2.58  1.46 37.35 24.08 542.4  40.9 2.50  .87 2.27  .75 14.6   .7   2  14.2 30749

         75  ALL  1   1.26   .00 26.17   .00 587.9    .0 2.24  .00 1.83  .00 14.0   .0   0    .0 43247
         76  ALL 39   1.63  1.25 21.89 24.34 548.3  33.0 2.84  .99 2.56  .86 15.1  1.0  15  38.4 26530
         77  ALL

          TOTAL 40    1.62  1.23 21.99 24.03 549.3  33.2 2.83  .98 2.55  .85 15.1  1.0  15  37.5 26948

FSC  DEQ 75  ALL
         76  ALL 27   1.00  1.05 12.57 21.37 458.5  40.7 2.29  .96            18.5  1.5
         77  ALL

          TOTAL 27    1.00  1.05 12.57 21.37 458.5  40.7 2.29  .96            18.5  1.5

FSC  HTS 75  ALL  1   2.04   .00 46.77   .00 444.3    .0 1.27  .00            16.9   .0
         76  ALL 39   1.22  1.19 17.05 23.93 434.6  31.5 1.57  .68            19.2  1.6
         77  ALL

          TOTAL 40    1.24  1.18 17.79 24.08 434.9  31.2 1.56  .67            19.1  1.6

                   ------------HIGH------------ ------------LOW------------- ------------IDLE-----------
                   ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN    SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 27   697   932  .6 1.7 1379  460  490  716  .1  .5  765  306  900 1356  .7 1.5  267 213
         77  ALL

          TOTAL 27    697   932  .6 1.7 1379  460  490  716  .1  .5  765  306  900 1356  .7 1.5  267 213

F3M  H-L 75  ALL  1   159        .0  .0  757      1297      1.7  .0  571      2209      2.4  .0  184
         76  ALL 39  1199   922  .8 1.4 1150  427  618  850  .3  .9  646  318 1506 2154 1.2 2.3  231 160
         77  ALL

          TOTAL 40   1173   925  .8 1.4 1140  426  635  846  .3  .9  644  314 1524 2129 1.2 2.2  230 158

F3M  D-G 75  ALL
         76  ALL 27    69    56  .7 1.6                58   52  .2  .5              93  107  .8 1.4
         77  ALL

          TOTAL 27     69    56  .7 1.6                58   52  .2  .5              93  107  .8 1.4

F3M  H-G 75  ALL  1    20        .0  .0                90      2.0  .0             145      2.5  .0
         76  ALL 39   106    69  .9 1.6                94   80  .3  .9             156  152 1.2 2.1
         77  ALL

          TOTAL 40    106    70  .9 1.5                94   79  .4  .9             155  150 1.2 2.1

                   ------------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEW 75  ALL  1   110        70        155      2.0  .0  .7  .0 2.5  .0  900       900
         76  ALL 39   134 159    72  52    159 171 1.2 2.1  .4  .8 1.0 2.0  918 131   923 140
         77  ALL

          TOTAL 40    134 157    72  51    159 169 1.2 2.1  .4  .8 1.1 2.0  917 130   923 139

IDLE HTS 75  ALL  1   130        40        120      1.6  .0  .0  .0 1.4  .0  870       890      120      230       130
         76  ALL 39   177 170    55  44    138 135  .9 1.9  .2  .6  .8 1.7  831 131   884 121   72   23 198   93  83  25
         77  ALL

          TOTAL 40    176 168    55  44    138 133  .9 1.8  .2  .6  .8 1.7  832 129   885 119   73   24 199   91  84  26
```

```
                              APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=45    MODEL YR(S)=1976

   MAKE=CHEV                    MODEL=MALIBU MALIBU CLASSIC MONTE CARLO


                     ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                 QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS 26    .94   .49  9.99  7.76 561.0  29.2 3.28  .85 2.98  .72 15.3   .7  11  42.3 29213
         77 PASS
         75 FAIL
         76 FAIL 11   2.80  1.33 38.72 26.63 571.0  70.4 2.71  .82 2.51  .69 13.9  1.1   0    .0 31687
         77 FAIL

        ALL PASS 26    .94   .49  9.99  7.76 561.0  29.2 3.28  .85 2.98  .72 15.3   .7  11  42.3 29213
        ALL FAIL 11   2.80  1.33 38.72 26.63 571.0  70.4 2.71  .82 2.51  .69 13.9  1.1   0    .0 31687

         75  ALL
         76  ALL 37   1.49  1.18 18.53 20.40 563.9  44.6 3.11  .87 2.84  .74 14.9  1.0  11  29.7 29948
         77  ALL

           TOTAL 37   1.49  1.18 18.53 20.40 563.9  44.6 3.11  .87 2.84  .74 14.9  1.0  11  29.7 29948

FSC  DEQ 75  ALL
         76  ALL 17   5.63 17.99 18.59 26.42 467.1  43.7 2.07  .65            17.4  1.7
         77  ALL

           TOTAL 17   5.63 17.99 18.59 26.42 467.1  43.7 2.07  .65            17.4  1.7

FSC  HTS 75  ALL
         76  ALL 37   1.13  1.42 12.13 19.48 459.1  34.3 1.84  .56            18.5  1.2
         77  ALL

           TOTAL 37   1.13  1.42 12.13 19.48 459.1  34.3 1.84  .56            18.5  1.2


                   -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                   ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 17   696  684  .5  .8 1359  434  706  955  .4 1.0  554  198 1894 2780 1.7 3.0  224 230
         77  ALL

           TOTAL 17   696  684  .5  .8 1359  434  706  955  .4 1.0  554  198 1894 2780 1.7 3.0  224 230

F3M  H-L 75  ALL
         76  ALL 37   919  805  .5  .8 1208  365  459  713  .1  .5  559  213 1815 2634 1.1 2.3  203 144
         77  ALL

           TOTAL 37   919  805  .5  .8 1208  365  459  713  .1  .5  559  213 1815 2634 1.1 2.3  203 144

F3M  D-G 75  ALL
         76  ALL 17    72   47  .6  .8             70   66  .5 1.2             192  282 1.8 3.0
         77  ALL

           TOTAL 17    72   47  .6  .8             70   66  .5 1.2             192  282 1.8 3.0

F3M  H-G 75  ALL
         76  ALL 37    90   65  .6  .8             80   89  .2  .5             170  225 1.1 2.1
         77  ALL

           TOTAL 37    90   65  .6  .8             80   89  .2  .5             170  225 1.1 2.1


                   ------------HC------------- ----------CO----------- -------RPM------- -----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                   MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 37   147 164   74  67  147 165  .9 1.9  .3  .7  .8 1.7  883 114  885 114
         77  ALL

           TOTAL 37   147 164   74  67  147 165  .9 1.9  .3  .7  .8 1.7  883 114  885 114

IDLE HTS 75  ALL
         76  ALL 37   172 186   52  40  136 158  .6 1.7  .0  .1  .6 1.6  801 101  856 104  75  17 199  51  83  16
         77  ALL

           TOTAL 37   172 186   52  40  136 158  .6 1.7  .0  .1  .6 1.6  801 101  856 104  75  17 199  51  83  16
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=46    MODEL YR(S)=1976,1977

   MAKE=CHEV                  MODEL=CHEVETTE

                          ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                     QTY  MEAN     SD MEAN     SD  MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS 11    .79    .17 14.05  5.27 344.6  16.3 2.20  .54 2.00  .48 24.1  1.3   9  81.8 29648
         77 PASS  3    .39    .25  7.55  5.97 327.7  11.9 2.76  .77 2.45  .59 26.0  1.0   1  33.3 11153
         75 FAIL
         76 FAIL 18   1.56   1.00 24.09 18.32 334.4  33.6 2.47  .92 2.18  .79 23.6  1.6   5  27.7 32439
         77 FAIL  5    .75    .21 17.88 11.63 330.1  19.1 2.22  .33 2.02  .32 24.6  1.6   0    .0 13492

        ALL PASS 14    .70    .24 12.65  5.88 341.0  16.7 2.32  .61 2.10  .51 24.5  1.4  10  71.4 25685
        ALL FAIL 23   1.38    .95 22.74 17.05 333.5  30.7 2.41  .83 2.15  .71 23.8  1.7   5  21.7 28320

         75  ALL
         76  ALL 29   1.27    .87 20.28 15.44 338.3  28.4 2.36  .80 2.11  .69 23.8  1.5  14  48.2 31381
         77  ALL  8    .61    .28 14.00 10.77 329.2  15.8 2.42  .56 2.18  .45 25.2  1.5   1  12.5 12615

           TOTAL 37   1.13    .83 18.93 14.65 336.3  26.3 2.38  .75 2.13  .64 24.1  1.6  15  40.5 27323

FSC  DEQ 75  ALL
         76  ALL 13    .89    .60  8.71  7.12 291.7  17.6 2.28  .70             28.8  2.0
         77  ALL  4    .45    .14  5.63  2.80 287.9  31.9 2.29  .44             29.9  2.8

           TOTAL 17    .78    .55  7.98  6.43 290.8  20.6 2.28  .63             29.1  2.1

FSC  HTS 75  ALL
         76  ALL 29    .95    .79 14.22 17.91 271.8  28.8 1.90  .76             30.0  2.2
         77  ALL  8    .46    .30  9.79 10.08 266.9  13.0 1.68  .61             31.4  2.4

           TOTAL 37    .84    .73 13.27 16.51 270.8  26.2 1.85  .73             30.3  2.3

                    -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                    ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 13 1699  656 1.1  .9 1586  413  877  777  .1  .3 1903  773 1781 1225 1.5 1.7  239  86
         77  ALL  4 1076 1044  .7  .8 1507  888  312  251  .0  .0 1610  622 1957  917 2.4 1.5  148  33

           TOTAL 17 1706  810 1.0  .9 1567  526  744  725  .1  .2 1834  733 1822 1135 1.7 1.6  218  65

F3M  H-L 75  ALL
         76  ALL 29 2053  781 1.6 1.4 1377  503 1023 1178  .5 1.5 1742  771 2687 2020 2.8 2.5  177  97
         77  ALL  8 1354  613  .8  .7 1841  385  332  176  .0  .0 1229  585 2423 1346 3.3 2.6  138  64

           TOTAL 37 1902  795 1.4 1.3 1477  513  874 1081  .4 1.4 1631  758 2630 1881 2.9 2.5  169  91

F3M  D-G 75  ALL
         76  ALL 13  116   33 1.1  .8              79   52  .2  .4            158   94 1.6 1.7
         77  ALL  4   68   57  .8  .9              45   12  .0  .0            181   67 2.9 2.0

           TOTAL 17  110   40 1.0  .8              71   48  .2  .3            163   87 1.9 1.8

F3M  H-G 75  ALL
         76  ALL 29  136   59 1.5 1.3             103   91  .5 1.6            215  175 2.8 2.5
         77  ALL  8  141   57 1.0  .5              60   75  .0  .0            222  137 3.3 2.4

           TOTAL 37  137   58 1.4 1.2              98   87  .4 1.4            217  164 2.9 2.4

                     ------------HC------------- ---------CO----------- -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 29   143 151  100  91  147 155 1.7 2.5  .5 1.1 1.7 2.4 1053 212 1050 208
         77  ALL  8   119  80   64  48   95  67 2.0 1.8  .1  .1 2.0 1.9 1175 218 1187 247

           TOTAL 37   138 138   92  84  135 142 1.8 2.4  .4 1.0 1.7 2.3 1082 217 1082 222

IDLE HTS 75  ALL
         76  ALL 29   136 156   60  72  115 125 1.4 2.6  .3 1.5 1.3 2.4 1017 154 1031 166 122  45 349 114 134  49
         77  ALL  8   116 119   56  45  100  77 1.3 2.3  .0  .2 1.2 1.6  988 174 1077 214  42   3 395 388  55  21

           TOTAL 37   132 147   59  66  112 116 1.4 2.5  .3 1.3 1.3 2.2 1011 156 1041 175 114  49 353 139 126  52
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=47    MODEL YR(S)=1976,1977

   MAKE=CHEV                    MODEL=CHEVETTE

                        ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                    QTY  MEAN    SD  MEAN    SD  MEAN     SD MEAN   SD MEAN    SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS 18    .93    .41 12.41  4.66 326.5   26.8 2.76  .65 2.42  .60 25.5  2.0  14  77.7 26082
         77 PASS  2    .83    .04 13.82   .28 326.4   11.6 1.39  .38 1.32  .37 25.3   .8   2 100.0 12198
         75 FAIL
         76 FAIL 15   1.58    .50 24.05  8.45 312.8   19.0 2.19  .48 2.02  .40 25.0  1.3   1   6.6 31659
         77 FAIL  2    .72    .09 12.47   .54 325.9   20.8 2.02  .16 1.76  .14 25.5  1.6   2 100.0 13199

       ALL PASS 20    .92    .39 12.55  4.43 326.5   25.5 2.62  .75 2.31  .66 25.5  1.9  16  80.0 24694
       ALL FAIL 17   1.48    .55 22.69  8.79 314.3   19.0 2.17  .46 1.99  .38 25.0  1.3   3  17.6 29488

         75  ALL
         76  ALL 33   1.22    .55 17.70  8.80 320.3   24.2 2.50  .64 2.24  .55 25.3  1.7  15  45.4 28617
         77  ALL  4    .77    .08 13.15   .85 326.2   13.8 1.70  .43 1.54  .34 25.4  1.0   4 100.0 12698

           TOTAL 37   1.17    .54 17.21  8.42 320.9   23.3 2.41  .67 2.16  .57 25.3  1.6  19  51.3 26896

FSC  DEQ 75  ALL
         76  ALL 13   1.12    .60 17.35 14.37 266.8   24.1 2.11  .75            29.9  2.1
         77  ALL  3    .67    .37 14.71 10.90 264.5   23.8 1.16  .44            30.6  1.9

           TOTAL 16   1.03    .58 16.85 13.49 266.4   23.2 1.93  .79            30.0  2.0

FSC  HTS 75  ALL
         76  ALL 33    .83    .58 12.80  9.88 262.8   25.1 1.84  .55            31.3  2.8
         77  ALL  4    .32    .04  6.27   .79 266.4   11.8 1.19  .41            32.0  1.3

           TOTAL 37    .78    .57 12.09  9.54 263.2   24.0 1.77  .57            31.3  2.7


                       -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                       ---HC----  ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                    QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 13 2124 1009 1.7 1.5 1888  700  782  844  .2  .6 1769  624 2150 1863 2.6 2.8  111  55
         77  ALL  3 1627 1295 1.6 1.8 1417  640  292  161  .0  .1 1574 1000  646  826  .7 1.2   95  16

           TOTAL 16 2031 1038 1.7 1.5 1800  695  690  783  .1  .5 1732  672 1868 1796 2.2 2.6  108  50

F3M  H-L 75  ALL
         76  ALL 33 1669 1291 1.1 1.2 1846  576  819  987  .1  .4 1780  519 2246 1915 2.3 2.4  108  55
         77  ALL  4 1652  957  .9  .6 1500  537  277   44  .0  .0 1686  855  661 1038  .9 1.8  148  47

           TOTAL 37 1663 1251 1.1 1.2 1809  576  761  946  .1  .4 1770  549 2075 1897 2.2 2.4  112  55

F3M  D-G 75  ALL
         76  ALL 13  138   59 1.7 1.4             76   58  .2  .5            145   99 2.4 2.6
         77  ALL  3  138   90 1.7 1.4             40   10  .1  .1             60   51  .8 1.2

           TOTAL 16  138   62 1.7 1.4             69   54  .2  .5            129   97 2.1 2.5

F3M  H-G 75  ALL
         76  ALL 33  133   98 1.2 1.3             97   96  .1  .4            178  144 2.3 2.4
         77  ALL  4  160   57 1.0  .7            140  104  .0  .0            177  178 1.0 2.0

           TOTAL 37  136   95 1.2 1.2            101   96  .1  .4            178  145 2.2 2.3


                       -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                    QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                        MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 33  104  80   71  55  121  93 1.5 1.8  .7 1.3 1.6 2.1 1015 155 1018 152
         77  ALL  4   43  48   51  44   55  50  .3  .7  .0  .0  .3  .7 1000 177 1012 165

           TOTAL 37   97  79   68  54  113  91 1.3 1.8  .6 1.2 1.4 2.0 1013 155 1018 151

IDLE HTS 75  ALL
         76  ALL 33  109  95   41  34  102  88 1.1 2.0  .1  .2 1.3 2.2 1045 153  971 129 110  24 270 102  99  33
         77  ALL  4   25   5   32  25   27   9  .0  .0  .0  .0  .2  .4 1020 171  972 105 115   7 200  98 105  35

           TOTAL 37  100  93   40  33   94  86 1.0 1.9  .1  .2 1.2 2.1 1042 153  971 126 110  23 264 102  99  32
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=48    MODEL YR(S)=1975,1976

   MAKE=PONT                       MODEL=PONT GRAND AM LEMANS CATALINA GRAND PRIX BONNEVILLE

                          ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG--- MEETS STD  MEAN
                     QTY  MEAN    SD  MEAN    SD  MEAN    SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS  5   1.10    .63 10.98  9.60 689.8  61.3 3.98 1.97 3.58 1.57 12.5  1.0    1  20.0 40849
         76 PASS  7   1.15    .63 14.77 15.81 690.1  67.0 3.06 2.17 2.82 2.00 12.4  1.3    2  28.5 29521
         77 PASS
         75 FAIL 12   2.91   1.06 43.00 15.64 660.3  50.4 2.42 1.33 2.22 1.06 12.1   .8    0    .0 53672
         76 FAIL 15   2.63   1.22 40.02 18.82 637.5  49.7 2.40  .68 2.12  .56 12.5   .5    1   6.6 29637
         77 FAIL

        ALL PASS 12   1.13    .60 13.19 13.18 690.0  61.8 3.44 2.05 3.14 1.80 12.5  1.1    3  25.0 34241
        ALL FAIL 27   2.76   1.14 41.34 17.22 647.6  50.4 2.41 1.00 2.16  .81 12.3   .7    1   3.7 40319

         75  ALL 17   2.38   1.26 33.58 20.43 669.0  53.6 2.88 1.65 2.62 1.35 12.2   .9    1   5.8 49900
         76  ALL 22   2.16   1.27 31.98 21.27 654.2  59.7 2.61 1.32 2.34 1.21 12.5   .8    3  13.6 29600
         77  ALL

           TOTAL 39   2.26   1.25 32.68 20.65 660.6  56.9 2.73 1.46 2.46 1.26 12.4   .8    4  10.2 38449

FSC  DEQ 75  ALL 11   1.59   1.18 14.55 19.70 550.2  35.6 2.37  .94           15.3  1.0
         76  ALL 10   1.65   1.35 22.04 24.36 517.2  35.1 2.43 1.15           16.0  1.4
         77  ALL

           TOTAL 21   1.62   1.23 18.11 21.81 534.5  38.4 2.40 1.02           15.7  1.2

FSC  HTS 75  ALL 17   1.91   1.20 23.06 23.88 531.1  47.4 2.08 1.23           15.6  1.6
         76  ALL 22   2.11   1.40 27.72 21.65 512.7  57.3 1.77  .80           15.9  1.5
         77  ALL

           TOTAL 39   2.02   1.30 25.68 22.46 520.7  53.3 1.90 1.01           15.7  1.5


                     -----------HIGH------------ -----------LOW------------ -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 11   431  470  .1  .3  968  499  439  444  .0  .0  709  261 1670 1377 1.5 1.8  141 135
         76  ALL 10   321  419  .1  .3  921  460  746  710  .6  .8  954  638 2707 2973 2.4 2.8  112  97
         77  ALL

           TOTAL 21   379  439  .1  .3  946  470  585  592  .3  .6  825  482 2164 2282 1.9 2.3  127 117

F3M  H-L 75  ALL 17   584  448  .3  .7  975  666  764  772  .3  .7  723  407 2331 1734 2.0 2.0  113 101
         76  ALL 22   428  413  .1  .2  844  408  894  768  .6  .8  656  396 2875 2672 2.6 2.5  120 124
         77  ALL

           TOTAL 39   496  430  .2  .5  901  532  837  773  .5  .8  685  397 2638 2299 2.3 2.3  117 113

F3M  D-G 75  ALL 11    47   27  .2  .3             58   34  .1  .1             158   98 1.5 1.7
         76  ALL 10    40   22  .1  .3             73   41  .7  .9             204  167 2.4 2.7
         77  ALL

           TOTAL 21    44   24  .2  .3             65   37  .4  .6             180  134 1.9 2.2

F3M  H-G 75  ALL 17    77   55  .4  .8            100   82  .4  .7             210  150 2.0 2.0
         76  ALL 22    55   47  .1  .3             94   68  .6  .8             238  196 2.6 2.4
         77  ALL

           TOTAL 39    65   51  .3  .6             96   73  .5  .8             226  177 2.4 2.2


                     -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 17   265 189  117  62  300 207 2.1 1.9  .7  .9 2.0 1.8  809 160  815 144
         76  ALL 22   297 261  147 160  308 277 2.0 1.9  .7 1.0 2.0 1.8  838 136  845 138
         77  ALL

           TOTAL 39   283 230  133 126  305 246 2.0 1.9  .7  .9 2.0 1.8  826 145  832 140

IDLE HTS 75  ALL 17   398 290   90  52  304 214 1.5 1.7  .4  .7 1.8 2.0  851 172  875 165  82  28 222  63  86  26
         76  ALL 22   369 288   69  50  308 263 2.1 2.2  .2  .4 1.9 2.3  776 120  804 129  93  21 210  74  97  23
         77  ALL

           TOTAL 39   382 285   78  51  306 240 1.8 2.0  .3  .5 1.9 2.1  809 148  835 148  89  24 214  69  93  24
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=49    MODEL YR(S)=1975,1976

   MAKE=BUICK OLDS             MODEL=CUTLASS WAGON LASABRE OLDS 88 CENTURY WAGON REGAL

                        ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD  MEAN
                   QTY  MEAN     SD  MEAN    SD  MEAN     SD MEAN   SD MEAN    SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS 10    1.02    .45 10.83  6.58 655.0  48.1 2.51  .79 2.26  .64 13.1    .9   7  70.0 35669
         76 PASS 19     .77    .26  8.55  4.85 676.6  51.8 3.88 2.21 3.51 1.96 12.8    .9   9  47.3 32424
         77 PASS
         75 FAIL  3    1.54   1.07 14.18 11.74 641.5  99.1 1.92  .37 1.68  .23 13.4   1.5   1  33.3 34084
         76 FAIL  7    2.05    .95 23.14 14.86 598.4  38.3 2.61 1.11 2.29  .82 13.8    .6   2  28.5 46224
         77 FAIL

        ALL PASS 29     .86    .35  9.34  5.50 669.1  50.8 3.41 1.95 3.08 1.72 12.9    .9  16  55.1 33543
        ALL FAIL 10    1.89    .96 20.45 14.02 611.4  60.0 2.40  .98 2.11  .74 13.7    .9   3  30.0 42582

         75  ALL 13    1.14    .62 11.61  7.59 651.9  58.4 2.37  .75 2.12  .62 13.2   1.0   8  61.5 35304
         76  ALL 26    1.11    .77 12.48 10.65 655.5  59.4 3.54 2.04 3.18 1.80 13.1   1.0  11  42.3 36140
         77  ALL

           TOTAL 39    1.12    .72 12.19  9.64 654.3  58.3 3.15 1.79 2.83 1.58 13.1   1.0  19  48.7 35861

FSC  DEQ 75  ALL  8     .75    .61 11.49 14.75 549.9  46.7 1.91 1.39            15.6   1.3
         76  ALL 14    1.19   1.60 12.55 16.55 532.4  65.8 2.61 2.19            16.0   1.3
         77  ALL

           TOTAL 22    1.03   1.32 12.16 15.57 538.8  59.0 2.36 1.93            15.9   1.3

FSC  HTS 75  ALL 13     .89    .75  9.35  8.91 513.8  65.6 1.56  .80            16.8   1.9
         76  ALL 26     .89    .88  9.31 11.51 516.2  55.2 2.32 1.55            16.7   1.6
         77  ALL

           TOTAL 39     .89    .83  9.32 10.59 515.4  58.0 2.07 1.38            16.8   1.7

                     ------------HIGH------------ ------------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL  6   207   75  .0  .0  872  607  332  502  .1  .5  561  565  579  736  .3  .6  129  30
         76  ALL 14   281  185  .0  .1 1252  774  262  287  .0  .1  886  767 1773 2801 1.4 2.3  172 125
         77  ALL

           TOTAL 22   254  156  .0  .0 1114  727  287  369  .0  .3  768  704 1339 2320 1.0 1.9  156 102

F3M  H-L 75  ALL 13   265  163  .0  .0  821  539  326  348  .1  .3  538  440 1096 1935  .8 1.8  226 292
         76  ALL 26   337  292  .0  .2 1348  790  302  319  .0  .2  879  763 1321 2270  .9 1.6  177 134
         77  ALL

           TOTAL 39   313  256  .0  .1 1172  752  310  324  .0  .2  766  686 1246 2141  .9 1.6  193 198

F3M  D-G 75  ALL  6    35    8  .0  .0             48   33  .2  .5              73   53  .4  .7
         76  ALL 14    36   13  .0  .1             46   40  .1  .2             162  235 1.4 2.3
         77  ALL

           TOTAL 22    35   11  .0  .1             47   37  .1  .3             130  192 1.0 1.9

F3M  H-G 75  ALL 13    62   57  .0  .0             80   70  .1  .4             125  113  .9 1.7
         76  ALL 26    55   42  .1  .2             64   57  .0  .2             145  200 1.0 1.6
         77  ALL

           TOTAL 39    57   47  .1  .2             70   61  .1  .2             139  174 1.0 1.6

                     ------------HC------------- ----------CO----------- --------RPM------- -----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 13   142 201  146 190  168 208  .3  .9  .0  .0  .4 1.0  763  74  766  68
         76  ALL 26   157 173  191 352  195 196  .7 1.4  .5 1.4  .8 1.5  815  99  819  97
         77  ALL

           TOTAL 39   152 180  176 306  186 197  .6 1.3  .3 1.1  .7 1.4  798  94  802  91

IDLE HTS 75  ALL 13   177 195  120 135  140 210  .2  .9  .0  .0  .3 1.1  723  82  730  76  67  20 147  54  71  28
         76  ALL 26   167 223   95 135  168 228  .4 1.1  .1  .2  .5 1.4  762  72  786  66  78  23 198  73  85  20
         77  ALL

           TOTAL 39   184 211  103 133  158 219  .4 1.0  .0  .1  .4 1.3  749  77  767  73  74  22 178  70  80  24
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=50    MODEL YR(S)=1975,1976

   MAKE=PONT OLDS BUICK        MODEL=LASABRE ELECTRA RIVIERA 98 CSTM CRUISER ESTATE WAGON PONT


                          ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                      QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 15   1.18   .49  9.73  7.87 755.5  51.4 3.22 1.78 2.83 1.67 11.5    .8   7  46.6 40943
         76 PASS 12    .87   .52  8.59  9.43 777.2  78.6 3.05 1.88 2.79 1.58 11.2    .9   9  75.0 26944
         77 PASS
         75 FAIL  5   3.28  1.42 51.64 17.57 686.3  50.2 4.84 1.58 4.38 1.61 11.4    .3   0    .0 56821
         76 FAIL  4   2.49  1.45 31.47 15.60 727.0  16.6 4.13 3.18 3.81 2.72 11.3    .3   0    .0 34516
         77 FAIL

       ALL PASS 27    1.04   .52  9.22  8.44 765.2  64.5 3.14 1.79 2.81 1.60 11.4    .9  16  59.2 34721
       ALL FAIL  9    2.93  1.41 42.68 20.28 704.4  42.7 4.52 2.28 4.13 2.04 11.3    .3   0    .0 46908

         75  ALL 20   1.71  1.21 20.21 21.38 738.2  58.5 3.62 1.84 3.22 1.75 11.4    .7   7  35.0 44913
         76  ALL 16   1.26  1.07 14.31 15.71 764.7  71.3 3.32 2.20 3.05 1.88 11.2    .8   9  56.2 28837
         77  ALL

          TOTAL 36    1.52  1.16 17.59 19.05 750.0  64.9 3.49 1.98 3.14 1.78 11.3    .7  16  44.4 37768

FSC  DEQ 75  ALL  8   1.66  1.42 23.61 25.26 593.3  59.8 2.92 1.61           14.0  1.1
         76  ALL 10   2.05  1.49 47.04 50.21 580.2  62.6 1.91 1.98           13.5   .9
         77  ALL

          TOTAL 18    1.88  1.43 36.63 41.72 586.0  59.9 2.36 1.84           13.7  1.0

FSC  HTS 75  ALL 20   1.84  1.19 23.42 21.87 572.6  56.7 2.19 1.20           14.5  1.2
         76  ALL 16   1.50  1.30 18.79 22.88 593.8  75.9 1.74 1.28           14.2  1.3
         77  ALL

          TOTAL 36    1.69  1.23 21.36 22.12 582.0  65.8 1.99 1.24           14.3  1.3


                     -----------HIGH------------ ------------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL  8  453  452  .2  .4 1453  779  713  802  .5  .7  682  513 1675 2455 1.4 2.2  100  41
         76  ALL 10  649  887  .7 1.6 1050  714  860 1007  .9 1.5  539  675 1483 1594 1.3 1.7  151 110
         77  ALL

          TOTAL 18   562  714  .5 1.2 1229  750  795  898  .8 1.2  602  596 1568 1958 1.4 1.9  128  88

F3M  H-L 75  ALL 20  417  404  .2  .4 1296  736  803  764  .4  .7  620  473 1702 2066 1.4 1.9  130  68
         76  ALL 16  582  593  .3  .7 1021  675  750  900  .5  .9  478  459 1461 2640  .9 1.8  114  53
         77  ALL

          TOTAL 36   490  496  .2  .5 1174  713  780  815  .5  .8  557  466 1595 2306 1.1 1.8  123  74

F3M  D-G 75  ALL  6   43   26  .3  .4             68   47  .6  .6            120  130 1.4 2.0
         76  ALL 10   56   52  .8 1.5             78   66 1.0 1.5            119  110 1.5 1.7
         77  ALL

          TOTAL 18    50   41  .5 1.1             73   57  .8 1.2            119  116 1.4 1.8

F3M  H-G 75  ALL 20   37   31  .2  .4             62   46  .5  .7            108  113 1.3 1.8
         76  ALL 16   65   62  .4  .7             84   87  .5  .9            121  144  .9 1.6
         77  ALL

          TOTAL 36    49   48  .3  .6             72   67  .5  .8            114  126 1.1 1.7


                     -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 20   121 105   80  42  141 113 1.0 1.7  .3  .5  .9 1.6  712 129  713 133
         76  ALL 16    89 110   79  42  125 124  .7 1.3  .9 1.2  .6 1.1  766 135  760 113
         77  ALL

          TOTAL 36    107 107   79  41  134 116  .8 1.5  .6  .9  .8 1.4  735 133  733 125

IDLE HTS 75  ALL 20   151 119   67  50  144 138  .8 1.5  .4  .6  .9 1.8  670 103  705 105  79  24 210  72  86  21
         76  ALL 16   145 169   50  31  122 145  .7 1.4  .4  .8  .6 1.3  698 128  733 135  75  14 175 108  74  15
         77  ALL

          TOTAL 36    148 141   59  43  134 140  .7 1.4  .4  .7  .8 1.6  682 114  717 119  77  20 195  88  81  20
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=51     MODEL YR(S)=1975,1976

   MAKE=BUICK                   MODEL=CENTURY SKYLARK APOLLO REGAL

                       ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                   QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS  5   1.05    .63 12.70  7.21 509.5   31.5 6.19 2.02 5.71 1.90 16.6   .8   1  20.0 34910
         76 PASS 18    .89    .33 10.60  6.22 497.2   29.0 4.21 1.54 3.76 1.37 17.2   .9   3  16.6 26674
         77 PASS
         75 FAIL  8   2.05   1.28 41.46 27.94 499.6   36.8 4.11 2.72 3.95 2.56 15.6  1.1   0    .0 33096
         76 FAIL  9   2.37    .57 49.51 21.52 458.6   25.8 5.20 2.00 4.51 1.67 16.3  1.3   0    .0 31358
         77 FAIL

        ALL PASS 23    .93    .40 11.06  6.34 499.8   29.2 4.64 1.81 4.19 1.67 17.1   .9   4  17.3 28465
        ALL FAIL 17   2.22    .95 45.72 24.29 477.9   37.0 4.69 2.35 4.24 2.09 16.0  1.2   0    .0 32176

         75  ALL 13   1.67   1.16 30.40 26.17 503.4   33.8 4.91 2.60 4.63 2.41 16.0  1.1   1   7.6 33793
         76  ALL 27   1.39    .82 23.57 22.74 484.3   33.1 4.54 1.73 4.01 1.49 16.9  1.1   3  11.1 28235
         77  ALL

           TOTAL 40   1.48    .94 25.79 23.79 490.5   34.1 4.66 2.03 4.21 1.83 16.6  1.1   4  10.0 30042

FSC  DEQ 75  ALL 10   1.08   1.11 17.01 18.62 415.7   22.9 3.46 2.28           19.9  1.6
         76  ALL 12    .60    .34  5.49  5.01 423.2   28.4 3.89 2.15           20.5  1.5
         77  ALL

           TOTAL 22    .82    .81 10.73 14.00 419.8   25.7 3.70 2.17           20.2  1.5

FSC  HTS 75  ALL 13    .99   1.12 16.98 20.36 403.5   30.0 3.62 2.32           20.5  1.5
         76  ALL 27    .94    .80 15.08 20.27 379.7   29.6 3.01 1.74           21.9  1.6
         77  ALL

           TOTAL 40    .96    .90 15.70 20.06 387.4   31.4 3.21 1.94           21.4  1.6

                   -----------HIGH------------ ------------LOW------------- -----------IDLE-----------
                   ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 10  237   94  .0  .0 1803  752  500  939  .2  .6 1261 1120 1695 1742 2.5 3.0  259 161
         76  ALL 12  245   99  .0  .0 2389  124  468  443  .1  .3  954  649 1265 1188 1.1 1.2  270 123
         77  ALL

           TOTAL 22  241   95  .0  .0 2123  583  483  693  .2  .5 1094  885 1461 1445 1.7 2.3  265 138

F3M  H-L 75  ALL 13  292  133  .0  .0 1807  825  527  977  .2  .7 1411 1057 1646 1922 2.0 2.7  265 159
         76  ALL 27  375  231  .0  .1 2163  443  768  909  .3  .6 1027  757 1655 1666 1.7 2.3  237 190
         77  ALL

           TOTAL 40  348  206  .0  .1 2047  607  689  926  .3  .6 1152  871 1652 1728 1.8 2.4  246 179

F3M  D-G 75  ALL 10   41    6  .0  .0             63   64  .2  .6            144  112 2.5 3.0
         76  ALL 12   38    7  .0  .0             60   31  .2  .2             95   79 1.0 1.1
         77  ALL

           TOTAL 22   39    7  .0  .0             61   47  .2  .4            117   96 1.7 2.2

F3M  H-G 75  ALL 13   62   42  .1  .3             81   66  .2  .7            159  123 2.3 2.9
         76  ALL 27   65   54  .0  .1             95   76  .4  .7            150  113 1.7 2.2
         77  ALL

           TOTAL 40   64   50  .0  .2             90   73  .3  .7            153  115 1.9 2.4

                   -----------HC------------- ----------CO------------ -------RPM------- ----------NOX----------
                QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                    MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 13  102  79   75  53  119  85 2.3 2.6  .4  .7 2.3 2.5  991 180  995 180
         76  ALL 27  110 120   77  58  140 145 1.4 2.1  .4  .8 1.5 2.1  864 132  862 131
         77  ALL

           TOTAL 40  107 107   77  56  133 128 1.7 2.3  .4  .8 1.7 2.3  903 158  903 158

IDLE HTS 75  ALL 13  125 101   55  56  114  92 1.9 2.5  .1  .4 1.9 2.5  900 154  948 161  97   5 200  75  92   5
         76  ALL 27  115 127   65  67  120 135 1.0 1.7  .1  .5 1.1 1.8  777 129  824 135  75  20 298 215  88  18
         77  ALL

           TOTAL 40  119 118   62  63  118 122 1.3 2.0  .1  .5 1.4 2.0  817 148  864 154  79  20 283 202  88  17
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=52     MODEL YR(S)=1976,1977

   MAKE=CADILLAC               MODEL=SEVILLE

                     ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                 QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS 19  1.38  1.34  9.52  2.93 625.6  38.4 4.13 2.24 3.69 1.95 13.7   .8  10  52.6 25989
         77 PASS 10   .92   .26  7.70  1.34 609.2  24.9 1.92  .38 1.79  .37 14.2   .5   8  80.0 16093
         75 FAIL
         76 FAIL  2  1.07   .24  9.59  1.66 601.3   5.7 5.44 1.18 5.01 1.08 14.3   .0   0    .0 31765
         77 FAIL  1   .71   .00  7.54   .00 726.9    .0 1.02  .00 1.07  .00 12.0   .0   1 100.0 37965

       ALL PASS 29  1.22  1.10  8.90  2.62 620.0  34.8 3.37 2.10 3.03 1.82 13.9   .7  18  62.0 22576
       ALL FAIL  3   .95   .26  8.90  1.67 643.2  72.5 3.97 2.68 3.70 2.40 13.5  1.3   1  33.3 33832

         75  ALL
         76  ALL 21  1.35  1.27  9.53  2.80 623.3  37.2 4.26 2.17 3.81 1.91 13.8   .8  10  47.6 26539
         77  ALL 11   .90   .25  7.69  1.27 619.9  42.6 1.84  .45 1.73  .41 14.0   .8   9  81.8 18081

          TOTAL 32  1.20  1.06  8.90  2.53 622.1  38.5 3.43 2.11 3.10 1.85 13.9   .8  19  59.3 23631

FSC  DEQ 75  ALL
         76  ALL 10   .55   .17  1.43  1.58 512.0  36.9 2.86 1.52           17.2  1.2
         77  ALL  7   .43   .10   .75   .75 494.0  33.4 1.70  .44           17.9  1.1

          TOTAL 17   .50   .15  1.15  1.32 504.6  35.6 2.38 1.31           17.5  1.2

FSC  HTS 75  ALL
         76  ALL 21   .56   .21  1.08  1.41 494.5  42.0 3.10 1.91           17.9  1.4
         77  ALL 11   .52   .20  1.06   .94 509.2  70.7 1.29  .63           17.5  2.0

          TOTAL 32   .55   .21  1.08  1.25 499.6  52.9 2.48 1.80           17.8  1.6


                 -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                 ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
             QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL 10  327  167  .0  .0 1538  770  286  118  .0  .0 1011  729  334  144  .0  .0  137  80
         77  ALL  7  238   48  .0  .0  715  144  212   44  .0  .0  458  146  197   73  .0  .0  295 218

          TOTAL 17  290  136  .0  .0 1199  718  256  100  .0  .0  783  621  278  136  .0  .0  202 167

F3M  H-L 75  ALL
         76  ALL 21  291  237  .0  .0 1471  765  275  164  .0  .2  855  530  874 2134  .4 1.4  171 126
         77  ALL 11  169   43  .0  .0  617  188  168   41  .0  .0  321  123  179  168  .0  .0  189 104

          TOTAL 32  249  201  .0  .0 1177  747  238  143  .0  .1  672  502  635 1749  .2 1.2  177 118

F3M  D-G 75  ALL
         76  ALL 10   40   10  .0  .0             42   10  .0  .0             39   14  .0  .0
         77  ALL  7   41    6  .1  .0             42    3  .1  .0             42    5  .1  .0

          TOTAL 17   40    8  .0  .0             42    8  .0  .0             40   11  .0  .0

F3M  H-G 75  ALL
         76  ALL 21   45   29  .0  .0             54   39  .0  .2             81  130  .4 1.5
         77  ALL 11   34   14  .0  .0             38   13  .0  .0             35   15  .0  .0

          TOTAL 32   41   25  .0  .0             49   33  .0  .1             65  107  .3 1.2


                 -----------HC------------- ---------CO----------- -------RPM------- ----------NOX----------
             QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                 MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL 21  102 152   90  79  121 185   .0  .0   .0  .0   .0  .2  736 110  739 107
         77  ALL 11   40  29   55  34   54  27   .0  .0   .0  .0   .0  .0  804 239  809 236

          TOTAL 32   81 127   78  68   98 152   .0  .0   .0  .0   .0  .1  760 167  763 164

IDLE HTS 75  ALL
         76  ALL 21  130 101   85  54  121  74   .0  .0   .0  .0   .0  .0  786 113  774 122   62  24  152  47   73  24
         77  ALL 11   97  54   50  41   98  50   .0  .0   .0  .0   .0  .0  825 172  825 176   62  14  134  61   74  15

          TOTAL 32  119  88   73  52  113  67   .0  .0   .0  .0   .0  .0  800 135  791 142   62  21  147  50   73  21
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=54    MODEL YR(S)=1977

   MAKE=CHEV                  MODEL=CHEV CAMARO MALIBU NOVA

                  ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
              QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 11  1.27   .76 16.33 11.35 475.2  25.3 1.72  .49 1.61  .41 17.6   .9   6  54.5 14006
         75 FAIL
         76 FAIL
         77 FAIL 23  2.43  1.06 42.37 18.64 456.2  33.7 1.88 1.08 1.71  .93 16.7   .8   0    .0 16913

       ALL PASS 11  1.27   .76 16.33 11.35 475.2  25.3 1.72  .49 1.61  .41 17.6   .9   6  54.5 14006
       ALL FAIL 23  2.43  1.06 42.37 18.64 456.2  33.7 1.88 1.08 1.71  .93 16.7   .8   0    .0 16913

         75  ALL
         76  ALL
         77  ALL 34  2.05  1.11 33.94 20.58 462.3  32.1 1.82  .93 1.68  .79 17.0   .9   6  17.6 15973

          TOTAL 34  2.05  1.11 33.94 20.58 462.3  32.1 1.82  .93 1.68  .79 17.0   .9   6  17.6 15973

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 18  2.12  2.14 24.53 24.31 378.2  45.4 1.07  .39           21.0  1.4

          TOTAL 18  2.12  2.14 24.53 24.31 378.2  45.4 1.07  .39           21.0  1.4

FSC  HTS 75  ALL
         76  ALL
         77  ALL 34  1.70  1.22 20.34 18.17 372.7  29.7 1.19 1.01           21.7  1.4

          TOTAL 34  1.70  1.22 20.34 18.17 372.7  29.7 1.19 1.01           21.7  1.4

                 -----------HIGH----------- -----------LOW------------ -----------IDLE----------
                 ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
              QTY MEAN  SD MEAN SD MEAN  SD MEAN   SD MEAN SD MEAN  SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 18   362  496   .0  .2  880  295  954 1192   .5 1.1  454  338 3499 3106 3.9 3.3   92 103

          TOTAL 18   362  496   .0  .2  880  295  954 1192   .5 1.1  454  338 3499 3106 3.9 3.3   92 103

F3M  H-L 75  ALL
         76  ALL
         77  ALL 34   289  233   .0  .0  921  480  701  969   .3  .9  581  591 3502 2480 3.7 2.9  124 149

          TOTAL 34   289  233   .0  .0  921  480  701  969   .3  .9  581  591 3502 2480 3.7 2.9  124 149

F3M  D-G 75  ALL
         76  ALL
         77  ALL 18    42   24   .1  .1             91   86   .5  .9             310  289 3.7 3.2

          TOTAL 18    42   24   .1  .1             91   86   .5  .9             310  289 3.7 3.2

F3M  H-G 75  ALL
         76  ALL
         77  ALL 34    49   44   .0  .0             87   77   .3  .8             330  304 3.7 2.8

          TOTAL 34    49   44   .0  .0             87   77   .3  .8             330  304 3.7 2.8

                 -----------HC------------- ---------CO---------- -------RPM------- ----------NOX----------
              QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                 MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 34   305 232  134  91  314 225 2.6 2.4  .7 1.5 2.4 2.3  883 125  888 127

          TOTAL 34   305 232  134  91  314 225 2.6 2.4  .7 1.5 2.4 2.3  883 125  888 127

IDLE HTS 75  ALL
         76  ALL
         77  ALL 34   338 231   75  37  308 222 1.9 2.1  .1  .7 2.0 2.2  837  99  853 103   83  28 165  73  84  29

          TOTAL 34   338 231   75  37  308 222 1.9 2.1  .1  .7 2.0 2.2  837  99  853 103   83  28 165  73  84  29
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=55    MODEL YR(S)=1977

   MAKE=CHEV                MODEL=CHEV MALIBU MONTE CARLO CAPRICE

                     ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                 QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 23   .80   .47 10.94  8.25 577.4  47.8 1.71  .51 1.57  .42 14.9   .9  15  65.2 15283
         75 FAIL
         76 FAIL
         77 FAIL 20  3.09  1.08 51.63 16.78 505.9  46.9 1.67  .67 1.47  .63 14.9  1.2   0    .0 16023

       ALL PASS 23   .80   .47 10.94  8.25 577.4  47.8 1.71  .51 1.57  .42 14.9   .9  15  65.2 15283
       ALL FAIL 20  3.09  1.08 51.63 16.78 505.9  46.9 1.67  .67 1.47  .63 14.9  1.2   0    .0 16023

         75  ALL
         76  ALL
         77  ALL 43  1.87  1.40 29.87 24.18 544.2  59.1 1.69  .58 1.52  .52 14.9  1.1  15  34.8 15627

          TOTAL 43  1.87  1.40 29.87 24.18 544.2  59.1 1.69  .58 1.52  .52 14.9  1.1  15  34.8 15627

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 32  1.44  1.72 16.89 19.54 471.8  43.9 1.27  .51            17.6  1.0

          TOTAL 32  1.44  1.72 16.89 19.54 471.8  43.9 1.27  .51            17.6  1.0

FSC  HTS 75  ALL
         76  ALL
         77  ALL 43  1.45  1.39 19.16 19.99 443.0  44.9  .91  .38            18.6  1.5

          TOTAL 43  1.45  1.39 19.16 19.99 443.0  44.9  .91  .38            18.6  1.5

                 -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                 ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
             QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 32  529  593  .3  .5  634  384  484  691  .1  .5  332  267 2968 3390 2.8 3.3  155 137

          TOTAL 32  529  593  .3  .5  634  384  484  691  .1  .5  332  267 2968 3390 2.8 3.3  155 137

F3M  H-L 75  ALL
         76  ALL
         77  ALL 43  594  618  .3  .6  533  343  481  642  .1  .4  328  266 3247 3382 3.1 3.4  141 143

          TOTAL 43  594  618  .3  .6  533  343  481  642  .1  .4  328  266 3247 3382 3.1 3.4  141 143

F3M  D-G 75  ALL
         76  ALL
         77  ALL 32   50   34  .3  .5             47   36  .2  .5             274  378 2.9 3.3

          TOTAL 32   50   34  .3  .5             47   36  .2  .5             274  378 2.9 3.3

F3M  H-G 75  ALL
         76  ALL
         77  ALL 43   78   58  .4  .7             80   71  .2  .5             267  267 2.7 3.1

          TOTAL 43   78   58  .4  .7             80   71  .2  .5             267  267 2.7 3.1

                 ------------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
             QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                 MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 43  222 221   79  47  276 263 2.4 2.8  .4  .9 2.4 2.8  842 161  841 160

          TOTAL 43  222 221   79  47  276 263 2.4 2.8  .4  .9 2.4 2.8  842 161  841 160

IDLE HTS 75  ALL
         76  ALL
         77  ALL 43  298 281   50  31  255 261 2.1 2.8  .0  .2 2.3 2.9  742 121  786 132   72  25 164  64  84  24

          TOTAL 43  298 281   50  31  255 261 2.1 2.8  .0  .2 2.3 2.9  742 121  786 132   72  25 164  64  84  24
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=56    MODEL YR(S)=1977

   MAKE=CHEV                    MODEL=CHEV MALIBU MONTE CARLO CAPRICE

                         ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD  MEAN
                     QTY MEAN     SD MEAN     SD MEAN     SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 23   .60    .29  5.84  4.52 618.7  34.6 2.01  .75 1.80  .68 14.1   .7  17   73.9 19591
         75 FAIL
         76 FAIL
         77 FAIL 14  2.20   1.19 35.91 21.72 566.6  64.1 2.47 1.39 2.29 1.35 14.1  1.1   2   14.2 18422

       ALL PASS 23    .60    .29  5.84  4.52 618.7  34.6 2.01  .75 1.80  .68 14.1   .7  17   73.9 19591
       ALL FAIL 14   2.20   1.19 35.91 21.72 566.6  64.1 2.47 1.39 2.29 1.35 14.1  1.1   2   14.2 18422

         75  ALL
         76  ALL
         77  ALL 37  1.20   1.08 17.21 20.03 599.0  53.6 2.19 1.05 1.98 1.00 14.1   .9  19   51.3 19148

           TOTAL 37  1.20   1.08 17.21 20.03 599.0  53.6 2.19 1.05 1.98 1.00 14.1   .9  19   51.3 19148

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 25   .93    .93 11.00 14.79 511.7  42.7 1.37  .39            16.7  1.1

           TOTAL 25   .93    .93 11.00 14.79 511.7  42.7 1.37  .39            16.7  1.1

FSC  HTS 75  ALL
         76  ALL
         77  ALL 37   .82   1.00  9.81 16.00 490.8  44.4 1.35  .71            17.5  1.2

           TOTAL 37   .82   1.00  9.81 16.00 490.8  44.4 1.35  .71            17.5  1.2

                     ------------HIGH------------ ------------LOW------------- ------------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                     QTY MEAN  SD MEAN SD MEAN  SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 25   393  457  .1  .3  802  262  281  290  .0  .1  326  189 1950 2292 2.1 2.9  126  70

           TOTAL 25   393  457  .1  .3  802  262  281  290  .0  .1  326  189 1950 2292 2.1 2.9  126  70

F3M  H-L 75  ALL
         76  ALL
         77  ALL 37   197  135  .0  .0  675  541  200  268  .0  .0  429  442 1880 2359 1.8 2.7  220 410

           TOTAL 37   197  135  .0  .0  675  541  200  268  .0  .0  429  442 1880 2359 1.8 2.7  220 410

F3M  D-G 75  ALL
         76  ALL
         77  ALL 25    40   26  .1  .3             39   22  .0  .1             154  154 2.1 2.9

           TOTAL 25    40   26  .1  .3             39   22  .0  .1             154  154 2.1 2.9

F3M  H-G 75  ALL
         76  ALL
         77  ALL 37    55   55  .0  .0             68   68  .0  .1             179  168 1.9 2.7

           TOTAL 37    55   55  .0  .0             68   68  .0  .1             179  168 1.9 2.7

                     ------------HC------------- ----------CO------------ --------RPM------- -----------NOX----------
                     QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                         MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 37   164 203   67  52  170 179 1.6 2.6  .2  .6 1.6 2.5  817 100  817 100

           TOTAL 37   164 203   67  52  170 179 1.6 2.6  .2  .6 1.6 2.5  817 100  817 100

IDLE HTS 75  ALL
         76  ALL
         77  ALL 37   213 215   46  34  194 208 1.5 2.7  .0  .0 1.6 2.7  745  85  769  89   75  29 154  55  84  31

           TOTAL 37   213 215   46  34  194 208 1.5 2.7  .0  .0 1.6 2.7  745  85  769  89   75  29 154  55  84  31
```

```
                          APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=57    MODEL YR(S)=1977

   MAKE=PONT OLDS             MODEL=LEMANS GRAND PRIX CATALINA


                     ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                 QTY MEAN    SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 25    .93   .45  7.26  3.55 561.8  43.1 2.40 1.01 2.20 1.04 15.4  1.0  12  48.0 16767
         75 FAIL
         76 FAIL
         77 FAIL  8   2.16   .82 30.03  8.35 541.4  46.9 2.96 2.14 2.73 1.97 14.9   .9   0    .0 20443

        ALL PASS 25    .93   .45  7.26  3.55 561.8  43.1 2.40 1.01 2.20 1.04 15.4  1.0  12  48.0 16767
        ALL FAIL  8   2.16   .82 30.03  8.35 541.4  46.9 2.96 2.14 2.73 1.97 14.9   .9   0    .0 20443

         75  ALL
         76  ALL
         77  ALL 33   1.23   .77 12.78 11.08 556.9  44.2 2.54 1.35 2.33 1.31 15.3  1.0  12  36.3 17658

          TOTAL 33   1.23   .77 12.78 11.08 556.9  44.2 2.54 1.35 2.33 1.31 15.3  1.0  12  36.3 17658

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 16    .82   .84  6.68 14.51 446.5  47.8 1.74 1.19           19.4  1.8

          TOTAL 16    .82   .84  6.68 14.51 446.5  47.8 1.74 1.19           19.4  1.6

FSC  HTS 75  ALL
         76  ALL
         77  ALL 33   1.40  3.76  4.29  6.87 447.1  40.2 1.76 1.18           19.4  1.6

          TOTAL 33   1.40  3.76  4.29  6.87 447.1  40.2 1.76 1.18           19.4  1.6


                    -----------HIGH----------- -----------LOW------------ -----------IDLE-----------
                    ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN  SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 16   511  573   .1  .4 1399  538  388  553   .1  .5  671  538 1053 1276   .6 1.0  239 160

          TOTAL 16   511  573   .1  .4 1399  538  388  553   .1  .5  671  538 1053 1276   .6 1.0  239 160

F3M  H-L 75  ALL
         76  ALL
         77  ALL 33   398  279   .0  .0 1406  592  320  289   .0  .0  693  644 1073 1407   .6 1.1  199 119

          TOTAL 33   398  279   .0  .0 1406  592  320  289   .0  .0  693  644 1073 1407   .6 1.1  199 119

F3M  D-G 75  ALL
         76  ALL
         77  ALL 16    61   39   .1  .4             57   45   .2  .5             108   99   .7 1.0

          TOTAL 16    61   39   .1  .4             57   45   .2  .5             108   99   .7 1.0

F3M  H-G 75  ALL
         76  ALL
         77  ALL 33    66   41   .0  .0             64   54   .0  .2             118  112   .6 1.0

          TOTAL 33    66   41   .0  .0             64   54   .0  .2             118  112   .6 1.0


                    -----------HC------------ ---------CO----------- -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                    MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 33   176 215   73  46  199 227   .5 1.2   .1  .3   .5 1.2  786  96  792  99

          TOTAL 33   176 215   73  46  199 227   .5 1.2   .1  .3   .5 1.2  786  96  792  99

IDLE HTS 75  ALL
         76  ALL
         77  ALL 33   213 262   44  32  195 245   .2  .9   .0  .1   .4 1.1  724  90  769  94   83  22 185  84   94  30

          TOTAL 33   213 262   44  32  195 245   .2  .9   .0  .1   .4 1.1  724  90  769  94   83  22 185  84   94  30
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=58    MODEL YR(S)=1977

   MAKE=PONT OLDS BUICK       MODEL=OLDS 88 LESABRE ELECTRA RIVIERA OLDS 98 CATALINA

                         ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG---  MEETS STD  MEAN
                     QTY MEAN     SD MEAN     SD MEAN     SD MEAN    SD MEAN    SD MEAN    SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 23    .77   .26  5.61  4.35 624.7  40.4 2.39 1.38 2.10 1.20 13.9    .8  13  56.5 16845
         75 FAIL
         76 FAIL
         77 FAIL 13   1.80   .83 21.33 12.62 595.5  50.3 2.30  .94 2.14  .99 14.0    .8   1   7.6 23847

        ALL PASS 23    .77   .26  5.61  4.35 624.7  40.4 2.39 1.38 2.10 1.20 13.9    .8  13  56.5 16845
        ALL FAIL 13   1.80   .83 21.33 12.62 595.5  50.3 2.30  .94 2.14  .99 14.0    .8   1   7.6 23847

         75  ALL
         76  ALL
         77  ALL 36   1.14   .73 11.28 11.19 614.2  45.8 2.36 1.23 2.12 1.11 14.0    .8  14  38.8 19374

           TOTAL 36   1.14   .73 11.28 11.19 614.2  45.8 2.36 1.23 2.12 1.11 14.0    .8  14  38.8 19374

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 17    .97   .74 12.11 12.63 496.5  33.5 2.19 1.04            17.1  1.0

           TOTAL 17    .97   .74 12.11 12.63 496.5  33.5 2.19 1.04            17.1  1.0

FSC  HTS 75  ALL
         76  ALL
         77  ALL 36   1.02   .86 11.68 14.91 481.2  32.3 1.80  .88            17.7  1.3

           TOTAL 36   1.02   .86 11.68 14.91 481.2  32.3 1.80  .88            17.7  1.3

                     -----------HIGH----------- -----------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                     QTY MEAN  SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 17    349  236  .0  .0 1070  521  326  361  .0  .2  847  473 1235 1523  .9 1.7  199 105

           TOTAL 17    349  236  .0  .0 1070  521  326  361  .0  .2  847  473 1235 1523  .9 1.7  199 105

F3M  H-L 75  ALL
         76  ALL
         77  ALL 36    322  258  .0  .0  902  425  353  447  .0  .1  717  390 1389 1659  .9 1.5  175 107

           TOTAL 36    322  258  .0  .0  902  425  353  447  .0  .1  717  390 1389 1659  .9 1.5  175 107

F3M  D-G 75  ALL
         76  ALL
         77  ALL 17     45   13  .0  .0             46   30  .1  .3            107  103 1.0 1.7

           TOTAL 17     45   13  .0  .0             46   30  .1  .3            107  103 1.0 1.7

F3M  H-G 75  ALL
         76  ALL
         77  ALL 36     57   49  .0  .0             69   59  .0  .1            143  137 1.0 1.6

           TOTAL 36     57   49  .0  .0             69   59  .0  .1            143  137 1.0 1.6

                     ------------HC------------- ----------CO----------- -------RPM------- ----------NOX----------
                     QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 36    160 131  103  75  177 160  .9 1.5  .2  .4  .7 1.3  789 143  795 141

           TOTAL 36    160 131  103  75  177 160  .9 1.5  .2  .4  .7 1.3  789 143  795 141

IDLE HTS 75  ALL
         76  ALL
         77  ALL 36    193 160   85  77  155 157  .7 1.3  .0  .0  .4 1.1  737 120  763 116  77  19 161  69  83  19

           TOTAL 36    193 180   85  77  155 157  .7 1.3  .0  .0  .4 1.1  737 120  763 116  77  19 161  69  83  19
```

```
                         APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=59    MODEL YR(S)=1977

   MAKE=PONT OLDS BUICK       MODEL=FBIRD CUTLS CNTRY LEMANS OLDS 88 LESABRE REGAL CATALINA

                        ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                    QTY MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 15    .88   .47 15.42  9.42 537.4  37.8 1.88  .88 1.69  .81 15.7  1.0   8  53.3 18480
         75 FAIL
         76 FAIL
         77 FAIL 22   3.11  1.99 57.92 30.56 466.5  44.1 3.13 1.69 2.86 1.57 15.7  1.0   0    .0 22886

      ALL PASS 15    .88   .47 15.42  9.42 537.4  37.8 1.88  .88 1.69  .81 15.7  1.0   8  53.3 18480
      ALL FAIL 22   3.11  1.99 57.92 30.56 466.5  44.1 3.13 1.69 2.86 1.57 15.7  1.0   0    .0 22886

         75  ALL
         76  ALL
         77  ALL 37   2.20  1.90 40.69 32.04 495.2  54.2 2.62 1.53 2.39 1.43 15.7  1.0   8  21.6 21100

           TOTAL 37   2.20  1.90 40.69 32.04 495.2  54.2 2.62 1.53 2.39 1.43 15.7  1.0   8  21.6 21100

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 17   2.34  1.76 31.84 22.66 396.6  49.2 2.68 1.81           19.6  1.3

           TOTAL 17   2.34  1.76 31.84 22.66 396.6  49.2 2.68 1.81           19.6  1.3

FSC  HTS 75  ALL
         76  ALL
         77  ALL 37   1.62  1.86 23.79 25.68 395.0  52.2 1.72 1.31           20.4  1.7

           TOTAL 37   1.62  1.86 23.79 25.68 395.0  52.2 1.72 1.31           20.4  1.7

                    -----------HIGH------------ -----------LOW------------- -----------IDLE----------
                    ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                QTY MEAN    SD MEAN SD MEAN  SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 17   849  764  .5  .9 1523  970 1484 1152  .9 1.0 1044  898 3795 3150 4.6 3.8  190 233

           TOTAL 17   849  764  .5  .9 1523  970 1484 1152  .9 1.0 1044  898 3795 3150 4.6 3.8  190 233

F3M  H-L 75  ALL
         76  ALL
         77  ALL 37   520  659  .2  .6 1232  791 1017 1231  .6 1.1  661  669 2935 3039 3.3 3.5  160 174

           TOTAL 37   520  659  .2  .6 1232  791 1017 1231  .6 1.1  661  669 2935 3039 3.3 3.5  160 174

F3M  D-G 75  ALL
         76  ALL
         77  ALL 17    63   43  .5  .8            118   79  .9 1.0            301  273 4.4 3.6

           TOTAL 17    63   43  .5  .8            118   79  .9 1.0            301  273 4.4 3.6

F3M  H-G 75  ALL
         76  ALL
         77  ALL 37    64   68  .2  .7            112  112  .8 1.5            227  251 3.1 3.3

           TOTAL 37    64   68  .2  .7            112  112  .8 1.5            227  251 3.1 3.3

                     -----------HC------------ ---------CO----------- -------RPM------- -----------NOX---------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 37   244 369  114  86  321 399 2.9 3.0  .9 1.1 2.7 2.8  900 136  902 139

           TOTAL 37   244 369  114  86  321 399 2.9 3.0  .9 1.1 2.7 2.8  900 136  902 139

IDLE HTS 75  ALL
         76  ALL
         77  ALL 37   254 347   92  75  271 449 2.4 3.0  .4  .9 2.6 3.2  788 139  819 156   93  22 223 150  95  25

           TOTAL 37   254 347   92  75  271 449 2.4 3.0  .4  .9 2.6 3.2  788 139  819 156   93  22 223 150  95  25
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=60    MODEL YR(S)=1977

   MAKE=OLDS                  MODEL=CUTLASS OLDS 88

                       ----HC----  ----CO----  ---CO2----  ---NOX---  --NOXC---  ---MPG--- MEETS STD  MEAN
                  QTY  MEAN    SD  MEAN    SD  MEAN    SD  MEAN   SD  MEAN   SD  MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS  28    .91   .55  8.65 10.00 582.8  38.4  2.48 1.92  2.24 1.80  14.8   .9  19  67.8 17552
         75 FAIL
         76 FAIL
         77 FAIL  11   2.19  1.72 23.46 16.50 559.5  41.1  2.07 1.33  1.92 1.23  14.7   .4   3  27.2 17332

        ALL PASS  26    .91   .55  8.65 10.00 582.8  38.4  2.48 1.92  2.24 1.80  14.8   .9  19  67.8 17552
        ALL FAIL  11   2.19  1.72 23.46 16.50 559.5  41.1  2.07 1.33  1.92 1.23  14.7   .4   3  27.2 17332

         75  ALL
         76  ALL
         77  ALL  39   1.27  1.15 12.83 13.72 576.2  40.1  2.37 1.77  2.15 1.65  14.8   .8  22  56.4 17490

           TOTAL  39   1.27  1.15 12.83 13.72 576.2  40.1  2.37 1.77  2.15 1.65  14.8   .8  22  56.4 17490

FSC  DEQ 75  ALL
         76  ALL
         77  ALL  26    .85   .95  7.12 15.02 459.5  30.2  1.96 1.28             18.7  1.0

           TOTAL  26    .85   .95  7.12 15.02 459.5  30.2  1.96 1.28             18.7  1.0

FSC  HTS 75  ALL
         76  ALL
         77  ALL  39    .79  1.29  4.56  9.85 449.1  24.0  1.78 1.10             19.3   .7

           TOTAL  39    .79  1.29  4.56  9.85 449.1  24.0  1.78 1.10             19.3   .7

                 -----------HIGH------------ ------------LOW------------- -----------IDLE-----------
                 ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
             QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 26  206  334  .0  .2  960  591  272  431  .1  .5  717  502 1914 2287 1.6 2.4  169 154

           TOTAL 26  206  334  .0  .2  960  591  272  431  .1  .5  717  502 1914 2287 1.6 2.4  169 154

F3M  H-L 75  ALL
         76  ALL
         77  ALL 39  246  169  .0  .0  990  681  238  300  .0  .0  739  566 1692 2458 1.1 2.2  176 127

           TOTAL 39  246  169  .0  .0  990  681  238  300  .0  .0  739  566 1692 2458 1.1 2.2  176 127

F3M  D-G 75  ALL
         76  ALL
         77  ALL 26   37   21  .1  .2             40   30  .1  .4             181  192 1.7 2.2

           TOTAL 26   37   21  .1  .2             40   30  .1  .4             181  192 1.7 2.2

F3M  H-G 75  ALL
         76  ALL
         77  ALL 39   58   47  .0  .0             67   60  .0  .0             207  300 1.1 2.1

           TOTAL 39   58   47  .0  .0             67   60  .0  .0             207  300 1.1 2.1

                 -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
             QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                 MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL
         76  ALL
         77  ALL 39  235 380   76  73  242 381   .8 1.9   .1  .3   .8 1.9  765  88  768  88

           TOTAL 39  235 380   76  73  242 381   .8 1.9   .1  .3   .8 1.9  765  88  768  88

IDLE HTS 75  ALL
         76  ALL
         77  ALL 39  207 306   54  35  175 270   .5 1.8   .0  .2   .5 1.8  708  57  732  54   79 29  174 69   74 32

           TOTAL 39  207 306   54  35  175 270   .5 1.8   .0  .2   .5 1.8  708  57  732  54   79 29  174 69   74 32
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=61    MODEL YR(S)=1975,1976

   MAKE=TOYOTA              MODEL=CORONA

                        ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                    QTY  MEAN    SD  MEAN    SD  MEAN    SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 23    1.17   .60 13.40  6.26 460.5  27.2 3.44 1.06 3.18 1.00 18.3   .8  12  52.1 38343
         76 PASS 14     .98   .49 15.51  9.54 460.3  42.5 3.02  .87 2.67  .75 18.2  1.1   5  35.7 31519
         77 PASS
         75 FAIL  1     .87   .00 17.04   .00 436.8    .0 3.31  .00 3.01  .00 19.0   .0   0    .0 17037
         76 FAIL  1    3.29   .00 31.99   .00 379.2    .0 4.87  .00 4.56  .00 20.2   .0   0    .0 25217
         77 FAIL

        ALL PASS 37    1.10   .56 14.20  7.61 460.4  33.2 3.28 1.00 2.99  .94 18.2   .9  17  45.9 35761
        ALL FAIL  2    2.08  1.71 24.51 10.57 408.0  40.7 4.09 1.10 3.78 1.09 19.6   .8   0    .0 21127

         75  ALL 24    1.16   .59 13.56  6.17 459.5  27.0 3.43 1.04 3.17  .98 18.3   .8  12  50.0 37456
         76  ALL 15    1.14   .76 16.61 10.13 454.9  46.0 3.14  .96 2.80  .87 18.3  1.1   5  33.3 31099
         77  ALL

           TOTAL 39    1.15   .65 14.73  7.94 457.7  35.0 3.32 1.01 3.03  .95 18.3   .9  17  43.5 35011

FSC  DEQ 75  ALL 19     .76   .40  9.53  4.09 384.2  31.5 2.45 1.21           22.2  1.6
         76  ALL  5     .69   .26 11.70  8.53 368.8  41.9 2.16  .84           22.9  1.9
         77  ALL

           TOTAL 24     .75   .37  9.98  5.15 381.0  33.5 2.39 1.13           22.3  1.7

FSC  HTS 75  ALL 24     .65   .39 10.33  4.73 377.8  23.9 2.03  .88           22.4  1.2
         76  ALL 15     .65   .61 13.29  9.80 378.9  48.1 1.86  .81           22.2  2.0
         77  ALL

           TOTAL 39     .65   .48 11.47  7.14 378.2  34.6 1.97  .85           22.3  1.5

                    -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                    ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL 19  863  260   .1  .2 2144  431 1152  564   .7  .5  980  337  766  682   .7  .5   72  13
         76  ALL  5  553  245   .4  .3 2017  461  920  616   .9  .7  898  420  470  262   .8  .5   59  14
         77  ALL

           TOTAL 24  796  282   .2  .2 2118  430 1103  569   .7  .5  963  347  704  626   .7  .5   69  14

F3M  H-L 75  ALL 24  793  281   .2  .2 2086  411 1204  629  1.0  .5  870  466  630  686   .7  .4  152 305
         76  ALL 15  588  319   .2  .2 1799  548  990  908  1.0  .8  819  612  985 1559  1.0 1.4  108 144
         77  ALL

           TOTAL 39  714  309   .2  .2 1976  482 1122  744  1.0  .6  851  520  766 1100   .8  .9  135 298

F3M  D-G 75  ALL 19   66   45   .2  .2             90   38   .7  .5             70   44   .8  .5
         76  ALL  5   42    9   .4  .4             76   40   .9  .6             45   11   .8  .3
         77  ALL

           TOTAL 24   61   42   .2  .3             87   38   .8  .5             65   41   .8  .5

F3M  H-G 75  ALL 24   65   61   .2  .2            130   85  1.1  .5             94   80   .7  .3
         76  ALL 15   48   43   .2  .1             83   76  1.0  .7             73   84   .9 1.3
         77  ALL

           TOTAL 39   71   57   .2  .2            112   84  1.0  .6             86   81   .8  .8

                   ------------HC------------- ----------CO----------- -------RPM------- ----------NOX----------
               QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                   MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 24  46  34   40  34   90  63   .7  .4   .2  .2   .6  .4  945 116  950 130
         76  ALL 15  59  71   37  30   98  87   .9  .8   .2  .2   .8  .7  880 109  883 108
         77  ALL

           TOTAL 39  51  51   39  32   93  72   .8  .6   .2  .2   .7  .5  920 116  924 125

IDLE HTS 75  ALL 24  81  48   33  28   75  51   .7  .4   .3  .3   .6  .3  862  81  907  85   62  26  160  56  62  25
         76  ALL 15  93  99   37  36   87 106   .9  .7   .5  .6   .8  .7  826  83  880  74   55  16  123  49  60  21
         77  ALL

           TOTAL 39  85  71   35  31   80  76   .8  .5   .3  .4   .7  .5  848  82  896  81   59  22  143  55  61  23
```

```
                              APPENDIX E - COMPOSITE OF TEST RESULTS

CELL NO=62    MODEL YR(S)=1977

   MAKE=TOYOTA               MODEL=CORONA

                      ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                  QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS
         76 PASS
         77 PASS 35    .78    .35 15.41  2.93 464.7  28.5 1.67  .44 1.53  .42 18.0   .9  18  51.4 19472
         75 FAIL
         76 FAIL
         77 FAIL

        ALL PASS 35    .78    .35 15.41  2.93 464.7  28.5 1.67  .44 1.53  .42 18.0   .9  18  51.4 19472
        ALL FAIL

         75  ALL
         76  ALL
         77  ALL 35    .78    .35 15.41  2.93 464.7  28.5 1.67  .44 1.53  .42 18.0   .9  18  51.4 19472

           TOTAL 35    .78    .35 15.41  2.93 464.7  28.5 1.67  .44 1.53  .42 18.0   .9  18  51.4 19472

FSC  DEQ 75  ALL
         76  ALL
         77  ALL 15    .43    .17 10.94  3.44 394.4  34.9 1.35  .41            21.5  1.5

           TOTAL 15    .43    .17 10.94  3.44 394.4  34.9 1.35  .41            21.5  1.5

FSC  HTS 75  ALL
         76  ALL
         77  ALL 35    .43    .23 11.39  2.90 382.9  34.5 1.19  .45            22.1  1.6

           TOTAL 35    .43    .23 11.39  2.90 382.9  34.5 1.19  .45            22.1  1.6


                     -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                     ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                 QTY MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL
         76  ALL
         77  ALL 15   308  427  .3  .1  895  266  201  197  .3  .2  266  161  338  180  .4  .2   59  11

           TOTAL 15   308  427  .3  .1  895  266  201  197  .3  .2  266  161  338  180  .4  .2   59  11

F3M  H-L 75  ALL
         76  ALL
         77  ALL 35   207  118  .4  .1  865  267  212  237  .4  .2  287  141  367  231  .4  .2   64  11

           TOTAL 35   207  118  .4  .1  865  267  212  237  .4  .2  287  141  367  231  .4  .2   64  11

F3M  D-G 75  ALL
         76  ALL
         77  ALL 15    36   18  .4  .1             33   10  .4  .2             40   12  .5  .2

           TOTAL 15    36   18  .4  .1             33   10  .4  .2             40   12  .5  .2

F3M  H-G 75  ALL
         76  ALL
         77  ALL 35    38   44  .4  .2             44   55  .4  .3             55   66  .5  .2

           TOTAL 35    38   44  .4  .2             44   55  .4  .3             55   66  .5  .2


                     -----------HC------------- ---------CO------------ -------RPM------- ----------NOX----------
                 QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                     MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEW 75  ALL
         76  ALL
         77  ALL 35    42  26   46  38   90  41  .6  .2  .2  .1  .5  .2  866 170  863 171

           TOTAL 35    42  26   46  38   90  41  .6  .2  .2  .1  .5  .2  866 170  863 171

IDLE HTS 75  ALL
         76  ALL
         77  ALL 35    65  26   27  15   68  26  .7  .3  .3  .0  .6  .2  825  69  867  69   55  17 106  27  52  15

           TOTAL 35    65  26   27  15   68  26  .7  .3  .3  .0  .6  .2  825  69  867  69   55  17 106  27  52  15
```

APPENDIX E - COMPOSITE OF TEST RESULTS

```
CELL NO=63    MODEL YR(S)=1975,1976

   MAKE=CADILLAC              MODEL=CALAIS DEVILLE

                       ----HC----  ----CO----  ---CO2---- ---NOX--- --NOXC--- ---MPG--- MEETS STD  MEAN
                   QTY MEAN     SD MEAN     SD MEAN     SD MEAN   SD MEAN   SD MEAN   SD QTY PERCT  ODOM

FTP  HTS 75 PASS 11    1.44    .63 27.18 17.50 773.1  70.2 2.42 1.41 2.18 1.23 10.8   .8   1    9.0 39862
         76 PASS  9     .82    .23  8.15  4.41 792.3  37.7 2.32  .65 2.15  .70 10.9   .4   7   77.7 29893
         77 PASS
         75 FAIL 10    3.31   1.42 61.98 33.05 712.8  73.9 2.71 1.29 2.36 1.10 10.8   .6   0     .0 52594
         76 FAIL  5    2.52   1.37 37.38 34.16 730.1  50.5 3.27 2.24 3.06 2.08 11.1   .7   1   20.0 34778
         77 FAIL

       ALL PASS 20     1.16    .57 18.62 16.24 781.8  57.3 2.38 1.11 2.17 1.00 10.9   .6   8   40.0 35376
       ALL FAIL 15     3.04   1.40 53.78 34.35 718.6  65.7 2.90 1.60 2.59 1.46 10.9   .6   1    6.6 46655

         75  ALL 21    2.33   1.42 43.75 31.02 744.4  76.7 2.56 1.33 2.27 1.14 10.8   .7   1    4.7 45925
         76  ALL 14    1.43   1.15 18.59 24.13 770.1  51.1 2.66 1.42 2.47 1.35 11.0   .5   8   57.1 31638
         77  ALL

          TOTAL 35     1.97   1.37 33.69 30.74 754.7  66.0 2.60 1.35 2.35 1.22 10.9   .6   9   25.7 40210

FSC  DEW 75  ALL  9    1.75    .80 39.16 22.87 615.6  31.5 1.64  .70           13.0   .7
         76  ALL  8    1.70   1.18 22.98 23.35 603.9  62.2 2.24 1.54           13.7   .8
         77  ALL

          TOTAL 17     1.72    .97 31.54 23.86 610.1  47.2 1.92 1.18           13.3   .8

FSC  HTS 75  ALL 21    2.40   1.22 48.64 30.56 597.8 113.3 1.95 1.17           13.3  1.8
         76  ALL 14    2.15   1.40 35.05 37.13 584.0  55.4 1.55 1.04           13.7   .8
         77  ALL

          TOTAL 35     2.30   1.28 43.20 33.50 592.3  93.7 1.79 1.12           13.5  1.5

                      -----------HIGH------------ -----------LOW------------- -----------IDLE-----------
                      ---HC---- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--- ----HC--- ---CO-- ---NOX--
                   QTY MEAN  SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN   SD MEAN   SD MEAN SD MEAN  SD

F3M  D-L 75  ALL  9  1179  501 1.7 1.0  444  142 1196  761 1.6  .9  435  257 1256 1438  .6  .9  232 162
         76  ALL  8   507  534  .3  .5  673  514  612  746  .4  .6  496  311 1028 1122  .5  .6  243 142
         77  ALL

          TOTAL 17    863  608 1.0 1.0  552  374  922  769 1.0 1.0  464  276 1149 1264  .5  .7  237 146

F3M  H-L 75  ALL 21  1298  654 1.8 1.2  509  288 1640  720 2.0 1.1  536  377 1979 1825 1.4 1.7  237 266
         76  ALL 14   553  568  .3  .6  634  407  868  810  .7 1.1  392  332 1403 1917 1.1 2.0  209 133
         77  ALL

          TOTAL 35   1000  716 1.2 1.2  559  340 1331  838 1.5 1.2  478  361 1749 1856 1.3 1.8  226 220

F3M  D-G 75  ALL  9    81   28 1.7  .9             95   48 1.5  .8             103  103  .6  .8
         76  ALL  8    46   25  .2  .4             60   39  .3  .5              97   80  .6  .6
         77  ALL

          TOTAL 17     65   31 1.0 1.0             78   46 1.0  .9             100   90  .6  .7

F3M  H-G 75  ALL 21    94   54 1.7 1.3            134   70 2.0 1.0             174  149 1.4 1.8
         76  ALL 14    64   53  .3  .6             98   79  .9 1.2             137  152 1.1 2.1
         77  ALL

          TOTAL 35     82   55 1.2 1.2            120   75 1.5 1.2             159  149 1.3 1.9

                      -----------HC------------ ----------CO----------- --------RPM------- ----------NOX----------
                   QTY --1ST--- --2500-- --2ND--- --1ST-- -2500-- --2ND-- --1ST--- --2ND--- --1ST-- -2500-- --2ND--
                       MEAN  SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD MEAN  SD MEAN  SD MEAN SD MEAN SD MEAN SD

IDLE DEQ 75  ALL 21     157 128  106  77  200 133 1.1 1.3 1.3 1.3 1.3 1.4  792 112  790 110
         76  ALL 14     171 141  114 106  201 164 1.0 1.6  .5  .8 1.0 1.6  828  91  828  91
         77  ALL

          TOTAL 35      163 131  109  88  200 144 1.1 1.4 1.0 1.2 1.2 1.4  807 104  805 103

IDLE HTS 75  ALL 21     214 173   77  37  202 154  .6 1.1 1.3 1.0  .7 1.3  779 104  801  89   94  18 168  56  96  23
         76  ALL 14     228 170   55  34  187 170  .8 1.7  .2  .4  .8 1.8  797  72  825  75  111  40 175  60 116  40
         77  ALL

          TOTAL 35      220 169   68  37  196 158  .7 1.4  .8 1.0  .7 1.5  786  92  810  84  101  29 171  56 104  32
```